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U. S. DEPARTMENT OF THE INTERIOR

PROTOTYPE OIL SHALE LEASING PROGRAM

OIL SHALE TRACT C-b

DEVELOPMENT MONITORING REPORT #3

(May 1979 through October 1979)

Submitted to:

Mr. Peter A. Rutledge
Area Oil Shale Supervisor
Conservation District
U. S. Geological Survey
Grand Junction, Colorado

By:

CATHEDRAL BLUFFS SHALE OIL COMPANY
TENNECO OIL COMPANY
OCCIDENTAL OIL SHALE, INC., OPERATOR

JANUARY 15, 1980

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INTRODUCTION

Regular environmental reporting for Oil Shale Tract C-b in the current phase called Development Monitoring consists of the following reports:

REPORT	SUBMITTAL DATE
Six-Month Data Reports	January 15 July 15
Annual Report	April

Development Monitoring was initiated in April, 1978. Development Monitoring (Data) Report #1 was submitted on January 15, 1979 containing data from April 1978 through September 1978. Development Monitoring Report #2 was submitted on July 15, 1979 containing data from October 1978 through April 1979; time series plots for this time period were submitted on August 15, 1979. This present report is called Development Monitoring Report #3 and contains data from May 1979 through October 1979.

The first annual report, the 1978 C-b Annual Report, (April 1979) consisted of the following four volumes:

Vol 1	Summary of Development Activities, Costs and Environmental Monitoring
Vol 2	Environmental Analysis
Vol 3	Volume 2 Supporting Data
Vol 4	Volume 2 Time Series Plots

The time series plots for the present reporting period are to be updated in a supplement to Development Monitoring Report #3, expected to follow this report in approximately one month.

In any data set, errors are found requiring corrections; in this regard the following comments are appropriate:

1) Cross-reference tables to data corrections and data corrections themselves for Air Quality appear in this report.

2) Summary tables in this report and the C-b computerized data base reflect corrected data to the best of our knowledge.

3) Cumulative correction cross-reference tables will appear in the next data report.

INTRODUCTION

Regular environmental reporting for Oil Shale Tract C-b in the Piceance Basin called Development Monitoring consists of the following reports:

REPORT	SUBMITTAL DATE
Six-Month Data Reports	January 15 July 15
Annual Report	April

Development Monitoring was initiated in April, 1978. Development Monitoring (Data) Report #1 was submitted on January 15, 1979 containing data from April 1978 through September 1978. Development Monitoring Report #2 was submitted on July 15, 1979 containing data from October 1978 through April 1979; time series plots for this time period were submitted on August 15, 1979. This present report is called Development Monitoring Report #3 and contains data from May 1979 through October 1979.

The first annual report, the 1978 C-b Annual Report, (April 1979) consisted of the following four volumes:

Vol. 1	Summary of Development Activities, Costs and Environmental Monitoring
Vol. 2	Environmental Analysis
Vol. 3	Volume 2 Supporting Data
Vol. 4	Volume 2 Time Series Plots

The time series plots for the present reporting period are to be updated and placed in Development Monitoring Report #3, expected to be filed this coming in August/September this month.

In any data set, errors are found requiring corrections. In this report the following comments are appropriate:

1) Cross-reference tables to data corrections and data corrections summaries for Air Quality appear in this report.

2) Summary tables in this report and the C-b computerized data base reflect corrected data to the best of our knowledge.

3) Cumulative correction cross-reference tables will appear in the next data report.

TABLE OF CONTENTS BY VOLUME NUMBER

VOLUME NUMBER	TABLE OF CONTENTS
I	INTRODUCTION I. PRE-EXPLORATION ENVIRONMENTAL RECONNAISSANCE SURVEYS II. ENVIRONMENTAL DEVELOPMENT MONITORING PROGRAMS A. Hydrology and Water Quality 1. Surface Streams 2. Springs and Seeps 3. Ground Water 4. Supplemental Water Data
II	B. Air Quality 1. Air Quality and Surface Meteorology 2. Low Altitude Meteorology 3. Upper Air Studies 4. Visibility 5. Noise 6. Atmospheric Diffusion Studies 7. Particulate Analysis 8. Trace Metals (Inactive) 9. Inversion Studies 10. Tethersonde Soundings 11. Air Quality Assurance References
III	C. Biology 1. Terrestrial Wildlife Studies 2. Aquatic Studies 3. Terrestrial Vegetation Studies 4. Soil Survey and Productivity Assessment (Inactive) 5. Dendrochronology and Dendroclimatology (Inactive) III. OTHER STUDIES A. Fish and Wildlife Management Plan (Inactive) B. Revegetation Studies C. Microenvironmental Studies D. Tract Photography 1. Surface Photography 2. Aerial Photography E. Archaeological Studies F. Scenic Values Study (Inactive) G. Industrial Health and Safety H. Traffic Load I. Geology IV. DATA AUTOMATION A. Automation Status B. Station Computer Code C. Station Coordinates

TABLE OF CONTENTS BY VOLUME NUMBER

VOLUME NUMBER	TABLE OF CONTENTS
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II	II. ENVIRONMENTAL DEVELOPMENT MONITORING PROGRAMS A. Hydrology and Water Quality 1. Surface Streams 2. Springs and Seeps 3. Ground Water 4. Supplemental Water Data B. Air Quality 1. Air Quality and Surface Meteorology 2. Low Altitude Meteorology 3. Upper Air Studies 4. Visibility 5. Noise 6. Atmospheric Diffusion Studies 7. Particulate Analysis 8. Trace Metals (Inactive) 9. Inversion Studies 10. Tetheredonde Soundings 11. Air Quality Assurance Waterfowl
III	C. Biology 1. Terrestrial Mobility Studies 2. Aquatic Studies 3. Terrestrial Vegetation Studies 4. Soil Survey and Pedologic Assessment (Inactive) 5. Dendrochronology and Dendroclimatology (Inactive) III. OTHER STUDIES A. Fish and Wildlife Management Plan (Inactive) B. Revegetation Studies C. Microenvironmental Studies D. Total Probability 1. Surface Magnetometry 2. Aerial Photography E. Geohydrological Studies F. Scenic Values Survey (Inactive) G. Industrial Health and Safety H. Traffic Study I. Geology
IV	IV. DATA AUTOMATION A. Automation-Systems B. Station Concept Code C. Station Coordinates

I PRE-EXPLORATION ENVIRONMENTAL RECONNAISSANCE SURVEYS

No environmental reconnaissance surveys have been conducted during the development period. The results of previous surveys are contained in Quarterly Data Reports #1 & #3 and are summarized in Summary Reports #1 & #2.

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HYDROLOGY &
WATER QUALITY

II A HYDROLOGY AND WATER QUALITY

Hydrologic and water quality monitoring frequency and laboratory analysis requirements vary by type and location of sample collection station. The requirements also vary between government agencies and purposes of monitoring. Tract C-b monitoring requirements have been detailed in these documents as follows:

DMP - Development Monitoring Plan prepared for the Area Oil Shale Supervisor's Office (AOSSO).
WAP - Water Augmentation Plan prepared for the State of Colorado Water Court, Division 5.
NPDES - National Pollutant Discharge Elimination System prepared for the State of Colorado Water Quality Control Division.

Data presented in previous reports have been collected under the DMP requirements. This data report has been extended to include additional requirements of the WAP and NPDES. Exhibits A and B of the WAP, presented in jacket Figures II A-1 and II A-2 provide a complete list and location of the WAP sampling sites. Station coordinates and four-digit computer codes for current collection stations are presented in Section IV, Data Automation.

A summary of current and future water sampling frequency requirements by parameter and station type is presented in Table II A-1. Footnotes are used to identify special requirements. Table II A-2 contains an index to special data requirements and to supplemental water data.

Table II A-1a

WATER SAMPLING FREQUENCY REQUIREMENTS
MAJOR USGS GAUGING STATIONS*

PARAMETERS	SYMBOL	DAILY	WEEKLY	MONTHLY	QUARTERLY	SEMI-ANNUALLY	ANNUALLY
Alkalinity	$CaCO_3$			●			
M Alkalinity	MA						
P Alkalinity	PA						
Aluminum	Al				●		
Ammonia	as NH_3			●			
Antimony							
Arsenic	As			●			
Bacteria	SB						
Barium	Ba				●		
Beryllium	Be						
Bicarbonate	HCO_3			●			
Biological Oxygen Demand	BOD				●		
Bismuth	Bi						
Boron	B			●			
Bromine	Br				●		
Cadmium	Cd				●		
Calcium	Ca			●			
Carbonate	CO_3			●			
Chemical Oxygen Demand	COD				●		
Chloride	Cl			●			
Chromium	Cr				●		
Cobalt	Co						
Coliform, Fecal					●		
Coliform, Total					●		
Color (Not Precise)							
Cond. Hydrocarbon	CH						
Conductivity, Specific	SPC	●					
Copper	Cu				●		
Cyanide	Cn				●		
Dissolved Oxygen	DO						
Element Scan					●		
Fecal Streptococcus					●		
Flow		●					
Fluoride	F			●			
Gallium	Ga						
Germanium	Ge						
Hardness (Ca, Mg)							
Hydroxides	OH						
Iodine	I						
Iron	Fe			●			
Kjeldahl Nitrogen				●			
Lead	Pb				●		
Level							
Lithium	Li				●		
Magnesium	Mg			●			
Manganese	Mn			●			
Mercury	Hg				●		
Methylene Blue Active Substance	MBAS					●	
Molybdenum	Mo				●		
Nickel	Ni						
Nitrate	NO_3			●			
Nitrite	NO_2			●			
Odor							
Oil & Grease	OLGR				●		
Organic Carbon, Dissolved	DOC			●			
Organic Carbon, Total	TOC			●			
Ortho-Phosphorus (Phosphate)	PO_4				●		
Pesticides						●	
pH	pH	●					
Phenols				●			
PNA	PNA						
Potassium	K			●			
Rubidium	RB						
Sediment Characterization							
Selenium	Se				●		
Scandium	SC						
Silica	SiO_2			●			
Silver	Ag						
Sodium	Na			●			
Solids, Dissolved	TDS			●			
Solids, Suspended	SOLS				●		
Strontium	Sr						
Surfactants							
Sulfate	SO_4			●			
Sulfide	SO_2				●		
Temperature (°C)		●					
Thiosulfite	S_2O_3						
Tin	Sn						
Titanium	Ti						
Tungsten	W						
Turbidity		▶					
Vanadium	V						
Yttrium	Y						
Zinc	Zn				●		
Zirconium	Zr						
Radioactivity							
Gross Alpha (pcl)					●		
Radium 226	Ra226						
Natural Uranium	U						
Gross Beta					●		
Cesium	Cs137						
Sr90							
Thorium 230	TH230						
Uranium	U						
Fractionation of Organic Carbon into							
a. Hydrophobic Bases						●	
b. Hydrophobic Acids						●	
c. Hydrophobic Neutrals						●	
d. Hydrophilic Bases						●	
e. Hydrophilic Acids						●	
f. Hydrophilic Neutrals						●	

* DMP and WAP stations WU07, WU22, WU58, WU61.

SYMBOLS

● Applies to all stations (DMP and WAP).

▶ Applies to stations WU07 and WU61 only.

Table II A-1b

WATER SAMPLING FREQUENCY REQUIREMENTS
MINOR USGS GAUGING STATIONS*

PARAMETERS	SYMBOL	DAILY	WEEKLY	MONTHLY	QUARTERLY	SEMI-ANNUALLY	ANNUALLY
Alkalinity	$CaCO_3$				●		
M Alkalinity	MA						
P Alkalinity	PA						
Aluminum	Al				●		
Ammonia	as NH_3				●		
Antimony							
Arsenic	As				●		
Bacteria	SB						
Barium	Ba				●		
Beryllium	Be				●		
Bicarbonate	HCO_3						
Biological Oxygen Demand	BOD				●		
Bismuth	Bi						
Boron	B				●		
Bromine	Br				●		
Cadmium	Cd				●		
Calcium	Ca				●		
Carbonate	CO_3				●		
Chemical Oxygen Demand	COD				●		
Chloride	Cl				●		
Chromium	Cr				●		
Cobalt	Co						
Coliform, Fecal					●		
Coliform, Total					●		
Color (Not Precise)							
Cond. Hydrocarbon	CH						
Conductivity, Specific	SPC						
Copper	Cu				●		
Cyanide	Cn				●		
Dissolved Oxygen	DO						
Element Scan							
Fecal Streptococcus					●		
Flow					●		
Fluoride	F				●		
Gallium	Ga						
Germanium	Ge						
Hardness (Ca, Mg)							
Hydroxides	OH						
Iodine	I						
Iron	Fe				●		
Kjeldahl Nitrogen					●		
Lead	Pb				●		
Level							
Lithium	Li				●		
Magnesium	Mg				●		
Manganese	Mn				●		
Mercury	Hg				●		
Methylene Blue Active Substance	MBAS						
Molybdenum	Mo				●		
Nickel	Ni						
Nitrate	NO_3				●		
Nitrite	NO_2				●		
Odor							
Oil & Grease	OLGR				●		
Organic Carbon, Dissolved	DOC				●		
Organic Carbon, Total	TOC				●		
Ortho-Phosphorus (Phosphate)	PO_4				●		
Pesticides							
pH	pH				●		
Phenols					●		
PNA	PNA						
Potassium	K				●		
Rubidium	RB						▶
Sediment Characterization							
Selenium	Se				●		
Scandium	SC						
Silica	SiO_2				●		
Silver	Ag						
Sodium	Na				●		
Solids, Dissolved	TDS						
Solids, Suspended	SOLS						
Strontium	Sr				●		
Surfactants							
Sulfate	SO_4				●		
Sulfide	SO_2				●		
Temperature (°C)							
Thiosulfite	S_2O_3						
Tin	Sn						
Titanium	Ti						
Tungsten	W						
Turbidity							
Vanadium	V						
Yttrium	Y						
Zinc	Zn				●		
Zirconium	Zr						
Radioactivity							
Gross Alpha (pcl)					●		
Radium 226	Ra226						
Natural Uranium	U						
Gross Beta							
Cesium	Ce137				●		
Sr90							
Thorium 230	TH230						
Uranium	U						
Fractionation of Organic Carbon into							
a. Hydrophobic Bases							
b. Hydrophobic Acids							
c. Hydrophobic Neutrals							
d. Hydrophilic Bases							
e. Hydrophilic Acids							
f. Hydrophilic Neutrals							

* DMP stations WU15, WU25, WU28, WU33, WU36, WU39, WU42, WU50, WU52. WAP stations are all DMP stations + stations 4800, 6200, 6222, 6225.

SYMBOLS

● Applies to all stations (DMP and WAP).

▶ Applies to station WU42 only.

Table II A-1c

WATER SAMPLING FREQUENCY REQUIREMENTS
SPRINGS AND SEEPS STATIONS*

PARAMETERS	SYMBOL	DAILY	WEEKLY	MONTHLY	QUARTERLY	SEMI-ANNUALLY	ANNUALLY
Alkalinity	$CaCO_3$				●		
M2 Alkalinity	MA						
P Alkalinity	PA						
Aluminum	Al				●		
Ammonia	as NH_3				●		
Antimony					●		
Arsenic	As				●		
Bacteria	SB						
Barium	Ba				●		
Beryllium	Be						
Bicarbonate	HCO_3				●		
Biological Oxygen Demand	BOD				●		
Bismuth	Bi						
Boron	B				●		
Bromine	Br						●
Cadmium	Cd						
Calcium	Ca				●		
Carbonate	CO_3				●		
Chemical Oxygen Demand	COD				●		
Chloride	Cl				●		
Chromium	Cr				●		
Cobalt	Co				●		
Coliform, Fecal						●	
Coliform, Total						●	
Color (Not Precise)							
Cond. Hydrocarbon	CH						
Conductivity, Specific	SPC			●			
Copper	Cu				●		
Cyanide	Cn						
Dissolved Oxygen	DO			●			
Element Scan							
Fecal Streptococcus						●	
Flow			■				
Fluoride	F				●		
Gallium	Ga						
Germanium	Ge						
Hardness (Ca, Mg)					●		
Hydroxides	OH						
Iodine	I						
Iron	Fe				●		
Kjeldahl Nitrogen					●		
Lead	Pb				●		
Level							
Lithium	Li				●		
Magnesium	Mg				●		
Manganese	Mn				●		
Mercury	Hg				●		
Methylene Blue Active Substance	MBAS						
Molybdenum	Mo				●		
Nickel	Ni				●		
Nitrate	NO_3				●		
Nitrite	NO_2				●		
Odor							
Oil & Grease	OLGR				●		
Organic Carbon, Dissolved	DOC					▶	
Organic Carbon, Total	TOC						
Ortho-Phosphorus (Phosphate)	PO_4						
Pesticides							
pH	pH			●			
Phenols					●		
PNA	PNA						
Potassium	K				●		
Rubidium	RB						
Sediment Characterization							
Selenium	Se				●		
Scandium	SC						
Silica	SiO_2						
Silver	Ag						
Sodium	Na				●		
Solids, Dissolved	TDS						
Solids, Suspended	SOLS				●		
Strontium	Sr				●		
Surfactants							
Sulfate	SO4				●		
Sulfide	SO_2						
Temperature (°C)				●			
Thiosulfite	S_2O_3						
Tin	Sn						
Titanium	Ti						
Tungsten	W						
Turbidity							
Vanadium	V						
Yttrium	Y						
Zinc	Zn				●		
Zirconium	Zr						
Radioactivity							
Gross Alpha (pcl)						●	
Radium 226	Ra226					●	
Natural Uranium	U						
Gross Beta						●	
Cesium	Ce137						
Sr90							
Thorium 230	TH230						
Uranium	U						
Fractionation of Organic Carbon into							
a. Hydrophobic Bases							
b. Hydrophobic Acids							
c. Hydrophobic Neutrals							
d. Hydrophilic Bases							
e. Hydrophilic Acids							
f. Hydrophilic Neutrals							

* DMP and WAP stations WS01, WS02, WS03, WS04, WS06, WS07, WS09, WS10. Additional WAP stations CER-1, B-3, H-3, F-3, Fig. 4-A, W-4, W-9, CER-7, S-9, P3 & 3A.

SYMBOLS

● Applies to all DMP stations.
▶ Applies to two stations to be selected by AOSSO.
■ Applies to DMP and WAP stations.

Revised 1/15/80.

Table II A-1d

WATER SAMPLING FREQUENCY REQUIREMENTS
ALLUVIAL WELLS STATIONS*

PARAMETERS	SYMBOL	DAILY	WEEKLY	MONTHLY	QUARTERLY	SEMI-ANNUALLY	ANNUALLY
Alkalinity	$CaCO_3$				●		
M Alkalinity	MA						
F Alkalinity	FA						
Aluminum	Al				●		
Ammonia	as NH_3				●		
Antimony							
Arsenic	As				●		
Bacteria	SB						
Barium	Ba				●		
Beryllium	Be						
Bicarbonate	HCO_3				●		
Biological Oxygen Demand	BOD					●	
Bismuth	Bi						
Boron	B				●		
Bromine	Br						●
Cadmium	Cd				●		
Calcium	Ca				●		
Carbonate	CO_3				●		
Chemical Oxygen Demand	COD				●		
Chloride	Cl				●		
Chromium	Cr				●		
Cobalt	Co						
Coliform, Fecal						●	
Coliform, Total						●	
Color (Not Precise)							
Cong. Hydrocarbon	CH						
Conductivity, Specific	SPC			●			
Copper	Cu				●		
Cyanide	Cn						
Dissolved Oxygen	DO			●			
Element Scan							
Fecal Streptococcus							
Flow							
Fluoride	F				●		
Gallium	Ga						
Germanium	Ge						
Hardness (Ca, Mg)					●		
Hydroxides	OH						
Iodine	I						
Iron	Fe				●		
Kjeldahl Nitrogen					●		
Lead	Pb				●		
Level							
Lithium	Li			●			
Magnesium	Mg				●		
Manganese	Mn				●		
Mercury	Hg				●		
Methylene Blue Active Substance	MBAS						●
Molybdenum	Mo				●		
Nickel	Ni				●		
Nitrate	NO_3				●		
Nitrite	NO_2						
Odor							
Oil & Grease	OLGR				●		
Organic Carbon, Dissolved	DOC					●	
Organic Carbon, Total	TOC						
Ortho-Phosphorus (Phosphate)	PO_4						
Pesticides							
pH	pH			●			
Phenols					●		
PNA	PNA						
Potassium	K				●		
Rubidium	RB						
Sediment Characterization							
Selenium	Se				●		
Scandium	SC						
Silica	SiO_2						
Silver	Ag				●		
Sodium	Na				●		
Solids, Dissolved	TDS				●		
Solids, Suspended	SOLS						
Strontium	Sr				●		
Surfactants							
Sulfate	SO_4				●		
Sulfide	SO_2						
Temperature (°C)				●			
Thiosulfite	S_2O_3						
Tin	Sn						
Titanium	Ti						
Tungsten	W						
Turbidity							
Vanadium	V						
Yttrium	Y						
Zinc	Zn				●		
Zirconium	Zr						
Radioactivity							
Gross Alpha (pcl)						●	
Radium 226	Ra226					●	
Natural Uranium	U						
Gross Beta						●	
Cesium	Cs137						
Sr90							
Thorium 230	TH230						
Uranium	U						
Fractionation of Organic Carbon into							
a. Hydrophobic Bases						●	
b. Hydrophobic Acids						●	
c. Hydrophobic Neutrals						●	
d. Hydrophilic Bases						●	
e. Hydrophilic Acids						●	
f. Hydrophilic Neutrals						●	

* DMF and WAP stations: WA01, WA02, WA03, WA04, WA05, WA06, WA07, WA08, WA09, WA10, WA11, WA12, WA13.
Current status of wells (July 1979), WA02 and WA07 are plugged. WA04 and WA13 are dry.
All others are being sampled.

SYMBOLS

● Applies to all stations (DMF and WAP).

Revised 1/15/80.

WATER SAMPLING FREQUENCY REQUIREMENTS
DEEP WELLS - UPPER AQUIFER*

Table II A-1e

PARAMETERS	SYMBOL	DAILY	WEEKLY	MONTHLY	QUARTERLY	SEMI-ANNUALLY	ANNUALLY
Alkalinity	$CaCO_3$					●	
M.O. Alkalinity	MA						
P Alkalinity	PA						
Aluminum	Al					●	
Ammonia	as NH_3					●	
Antimony							
Arsenic	As					●	
Bacteria	SB						
Barium	Ba					●	
Beryllium	Be						
Bicarbonate	HCO_3					●	
Biological Oxygen Demand	BOD					●	
Bismuth	Bi						
Boron	B					●	
Bromine	Br					●	
Cadmium	Cd						
Calcium	Ca					●	
Carbonate	CO_3					●	
Chemical Oxygen Demand	COD					●	
Chloride	Cl					●	
Chromium	Cr					●	
Cobalt	Co					●	
Coliform, Fecal							
Coliform, Total							
Color (Not Precise)							
Cond. Hydrocarbon	CH						
Conductivity, Specific	SPC					●	
Copper	Cu					●	
Cyanide	Cn						
Dissolved Oxygen	DO						
Element Scan							
Fecal Streptococcus							
Flow							
Fluoride	F					●	
Gallium	Ga						
Germanium	Ge						
Hardness (Ca, Mg)						●	
Hydroxides	OH						
Iodine	I						
Iron	Fe					●	
Kjeldahl Nitrogen						●	
Lead	Pb					●	
Level				■			
Lithium	Li					●	
Magnesium	Mg					●	
Manganese	Mn					●	
Mercury	Hg					●	
Methylene Blue Active Substance	MBAS						
Molybdenum	Mo					●	
Nickel	Ni					●	
Nitrate	NO_3					●	
Nitrite	NO_2						
Odor							
Oil & Grease	OLGR					●	
Organic Carbon, Dissolved	DOC					●	
Organic Carbon, Total	TOC						
Ortho-Phosphorus (Phosphate)	PO_4						
Pesticides							
pH	pH					●	
Phenols						●	
PNA	PNA						▶
Potassium	K					●	
Rubidium	Rb						
Sediment Characterization							
Selenium	Se					●	
Scandium	Sc						
Silica	SiO_2						
Silver	Ag					●	
Sodium	Na					●	
Solids, Dissolved	TDS					●	
Solids, Suspended	SOLS					●	
Strontium	Sr						
Surfactants							
Sulfate	SO_4					●	
Sulfide	SO_2						
Temperature (°C)							
Thiosulfite	S_2O_3						
Tin	Sn						
Titanium	Ti						
Tungsten	W						
Turbidity							
Vanadium	V						
Yttrium	Y						
Zinc	Zn					●	
Zirconium	Zr						
Radioactivity							
Gross Alpha (pcl)						●	
Radium 226	Ra226					●	
Natural Uranium	U					●	
Gross Beta							
Cesium	Cs137						
Sr90							
Thorium 230	TH230						
Uranium	U						
Fractionation of Organic Carbon into							
a. Hydrophobic Bases							
b. Hydrophobic Acids							
c. Hydrophobic Neutrals							
d. Hydrophilic Bases							
e. Hydrophilic Acids							
f. Hydrophilic Neutrals							

* C-b affiliated (DMP and WAP stations)

WX02	WX10	WX18	WX32	WX55
WX03	WX12	WX19	WX33	WX63
WX04	WX17	WX20	WX44	WX92
		WX21		

Revised 1/15/80.

Non-affiliated (Additional WAP stations)

TH75-5A	TH75-9A	Greene 4-4	Bute 25
TH75-13A	CER RB-D-02	Oldland 3	Liberty Bell 12
TH75-18A	TH75-15A	GP-17X-BG	Union B1

SYMBOLS

- ● Applies to all C-b affiliated stations
- ▶ Applies to stations and species to be identified.
- ■ Applies to both affiliated and non-affiliated stations

Table II A-1f
WATER SAMPLING PARAMETERS
DEEP WELLS - LOWER AQUIFER*

PARAMETERS	SYMBOL	DAILY	WEEKLY	MONTHLY	QUARTERLY	SEMI-ANNUALLY	ANNUALLY
Alkalinity	$CaCO_3$					●	
M Alkalinity	MA						
P Alkalinity	PA						
Aluminum	Al					●	
Ammonia	as NH_3					●	
Antimony							
Arsenic	As					●	
Bacteria	SB						
Barium	Ba					●	
Beryllium	Be						
Bicarbonate	HCO_3					●	
Biological Oxygen Demand	BOD					●	
Bismuth	Bi						
Boron	B					●	
Bromine	Br					●	
Cadmium	Cd						
Calcium	Ca					●	
Carbonate	CO_3					●	
Chemical Oxygen Demand	COD					●	
Chloride	Cl					●	
Chromium	Cr					●	
Cobalt	Co					●	
Coliform, Fecal							
Coliform, Total							
Color (not Precise)							
Cond. Hydrocarbon	CH						
Conductivity, Specific	SPC						
Copper	Cu					●	
Cyanide	Cn						
Dissolved Oxygen	DO						
Element Scan							
Fecal Streptococcus							
Flow							
Fluoride	F					●	
Gallium	Ga					●	
Germanium	Ge						
Hardness (Ca, Mg)						●	
Hydroxides	OH						
Iodine	I						
Iron	Fe					●	
Kjeldahl Nitrogen						●	
Lead	Pb					●	
Level				■			
Lithium	Li					●	
Magnesium	Mg					●	
Manganese	Mn					●	
Mercury	Hg					●	
Methylene Blue Active Substance	MBAS						
Molybdenum	Mo					●	
Nickel	Ni					●	
Nitrate	NO_3					●	
Nitrite	NO_2						
Odor							
Oil & Grease	OLGR					●	
Organic Carbon, Dissolved	DOC					●	
Organic Carbon, Total	TOC						
Ortho-Phosphorus (Phosphate)	PO_4						
Pesticides							
pH	pH					●	
Phenols						●	
PNA	PNA						▶
Potassium	K					●	
Rubidium	RB						
Sediment Characterization							
Selenium	Se					●	
Scandium	SC						
Silica	SiO_2						
Silver	Ag					●	
Sodium	Na					●	
Solids, Dissolved	TDS					●	
Solids, Suspended	SOLS						
Strontium	Sr					●	
Surfactants							
Sulfate	SO_4					●	
Sulfide	SO_2						
Temperature (°C)							
Thiosulfite	S_2O_3						
Tin	Sn						
Titanium	Ti						
Tungsten	W						
Turbidity							
Vanadium	V						
Yttrium	Y						
Zinc	Zn					●	
Zirconium	Zr						
Radioactivity							
Gross Alpha (pcl)						●	
Radium 226	Ra226					●	
Natural Uranium	U						
Gross Beta						●	
Cesium	Ce137						
Sr90							
Thorium 230	TH230						
Uranium	U						
Fractionation of Organic Carbon into							
a. Hydrophobic Bases							
b. Hydrophobic Acids							
c. Hydrophobic Neutrals							
d. Hydrophilic Bases							
e. Hydrophilic Acids							
f. Hydrophilic Neutrals							

* C-b affiliated (DMP and WAP stations)

WY01	WY17	WY52	WY62
WY10	WY45	WY54	WY81
WY12	WY46	WY61	WY91

Revised 1/15/80.

Non-affiliated (Additional WAP stations)

TH75-5B	TH75-9B	TG71-3	Liberty Bell 12
TH75-13B	Equity Sulfur 1A	TG71-5	Getty 9-4D
Equity 1	CER RB-D-03	Oldland 3	TG71-4
TH75-18B	TH75-15B	GP-17X-BG	Equity BS 13
TH75-10B	Greeno 4-4	Butte 25	

SYMBOLS

● Applies to all C-b affiliated stations
▶ Applies to stations and species to be identified
■ Applies to both C-b affiliated and non-affiliated stations

WATER SAMPLING FREQUENCY REQUIREMENT
NPDES DISCHARGE POINT*

PARAMETERS	SYMBOL	DAILY	WEEKLY	MONTHLY	QUARTERLY	SEMI-ANNUALLY	ANNUALLY
Alkalinity	$CaCO_3$					●	
MO Alkalinity	MA						
P Alkalinity	PA						
Aluminum	Al		●			▲	
Ammonia	as NH_3		●				
Antimony							
Arsenic	As					▲	
Bacteria	SB						
Barium	Ba					▲	
Beryllium	Be					▲	
Bicarbonate	HCO_3					●	
Biological Oxygen Demand	BOD						
Bismuth	Bi					▲	
Boron	B		●			●	
Bromine	Br					●	
Cadmium	Cd					▲	
Calcium	Ca			●		●	
Carbonate	CO_3						
Chemical Oxygen Demand	COD					●	
Chloride	Cl	●				●	
Chromium	Cr					▲	
Cobalt	Co						
Coliform, Fecal							
Coliform, Total							
Color (Not Precise)							
Cond. Hydrocarbon	CH					●	
Conductivity, Specific	SPC						
Copper	Cu			●		▲	
Cyanide	Cn					●	
Dissolved Oxygen	DO						
Element Scan							
Fecal Streptococcus							
Flow		■					
Fluoride	F		●			●	
Gallium	Ga					▲	
Germanium	Ge					▲	
Hardness (Ca, Mg)							
Hydroxides	OH						
Iodine	I						
Iron	Fe		●			▲	
Kjeldahl Nitrogen						▲	
Lead	Pb					▲	
Level							
Lithium	Li					▲	
Magnesium	Mg					●	
Manganese	Mn					▲	
Mercury	Hg			●		▲	
Methylene Blue Active Substance	MBAS						
Molybdenum	Mo					▲	
Nickel	Ni					▲	
Nitrate	NO_3					●	
Nitrite	NO_2					●	
Odor						●	
Oil & Grease	OLGR	▶	●			●	
Organic Carbon, Dissolved	DOC					●	
Organic Carbon, Total	TOC						
Ortho-Phosphorus (Phosphate)	PO_4						
Pesticides							
pH	pH	●					
Phenols			●			●	
PNA	PNA						
Potassium	K					▲	
Rubidium	RB						
Sediment Characterization							
Selenium	Se					▲	
Scandium	SC						
Silica	SiO_2					●	
Silver	Ag			●			
Sodium	Na					▲	
Solids, Dissolved	TDS		●			▲	
Solids, Suspended	SOLS		●				
Strontium	Sr					▲	
Surfactants							
Sulfate	SO_4					●	
Sulfide	SO_2					●	
Temperature (°C)							
Thiosulfite	S_2O_3						
Tin	Sn						
Titanium	Ti					▲	
Tungsten	W						
Turbidity							
Vanadium	V					▲	
Yttrium	Y						
Zinc	Zn			●		▲	
Zirconium	Zr					▲	
Radioactivity							
Gross Alpha (pcl)						●	
Radium 226	Ra226					▼	
Natural Uranium	U					▼	
Gross Beta						●	
Cesium	Cs137					▼	
Sr90						▼	
Thorium 230	TH230						
Uranium	U						
Fractionation of Organic Carbon into							
a. Hydrophobic Bases						■	
b. Hydrophobic Acids						●	
c. Hydrophobic Neutrals						●	
d. Hydrophilic Bases						●	
e. Hydrophilic Acids						●	
f. Hydrophilic Neutrals						●	

* NPDES discharge points:

001 S12T3S R97W
~600'S and 2100'E of section corner 1, 2, 11, 12

002 S12T3S R97W
~2100 'N and 3240'E of section corner 1, 2, 11, 12

003 S12T3S R97W
~2700'N and 4500'E of section corner 1, 2, 11, 12

SYMBOLS

● Applies to all NPDES discharge points
■ Daily flow also at USGS station WU61
▲ Total values
▼ Required if gross alpha or gross beta increases by 20% above average.
▶ Visual analysis of presence of oil and grease only.

Table II A-2

INDEX TO SPECIAL DATA REQUIREMENTS
AND TO SUPPLEMENTAL WATER DATA

Table/Figure No.	Description	Page No.
	Water Augmentation Plan Requirements	
Table II A-6	Water Flow Measurements of Springs	II A-459
Table II A-18	Table of Water Levels in Upper Aquifer Wells Required by Water Augmentation Plan	II A-534
Table II A-19	Table of Water Levels in Lower Aquifer Wells Required by Water Augmentation Plan	II A-535
Table II A-20	Table of Water Levels in Composite Wells Required by Water Augmentation Plan	II A-536
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Table II A-7	Weekly Analysis of Water Quality Parameters in Discharge Points	II A-464
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Figure II A-11	Flow of Piceance Creek at Various Stations and Precipitation at Meeker	II A-548
Figure II A-12	Flow of Selected Springs in the Piceance Creek Basin	II A-549
Figure II A-13	Flow of Miller Creek Near Meeker and Precipitation at Marvine Ranch	II A-550
Table II A-24	Oil and Gas Wells, Coreholes, Monitoring Wells and Water Wells within C-b Tract and Area of Interest	II A-551

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09306028 (WU28)	II A-358
09306033 (WU33)	II A-361
09306036 (WU36)	II A-364
09306039 (WU39)	II A-367
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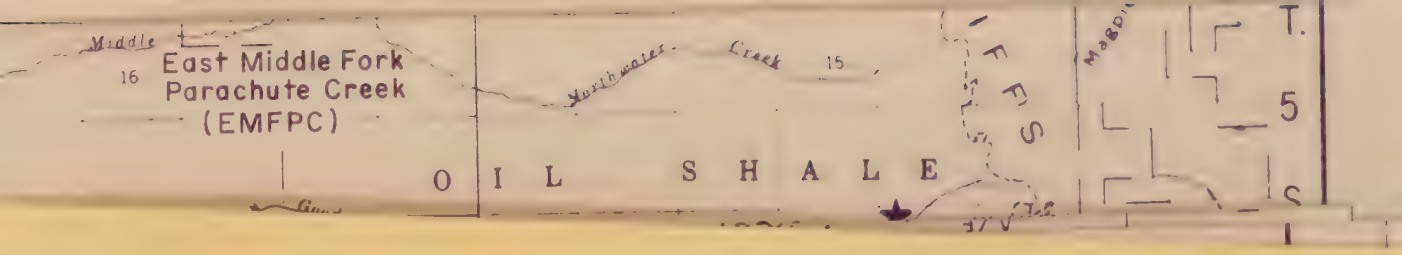
GROUND WATER LEVELS	II A-469
GROUND WATER QUALITY	II A-537
SUPPLEMENTAL WATER DATA	II A-547

* No updates to data for minor water gauging stations 09306175, 09306235, 09306240, 09306242, and 09306244 have been received for this report.


Middle
16
East Middle Fork
Parachute Creek
(EMFPC)
Northwater
Creek
15
O I L S H A L E
T.
5

R. 100 W.
R. 99 W.
R. 98 W.
R. 97 W.
R. 96 W.
R. 95 W.
R 94 W
T. 2 N.
T. 1 N.
T. 1 S.
T. 2 S.
T. 3 S.
WHITE RIVER
COLOROW MTN
Stedman Mesa
6255
6222
White River City
POWELL PARK RESERVOIR
Meeker
Meeker 2 (M)
4800
Little Hills (LH)
WHITE RIVER-PICEANCE CREEK PIPELINE
6200
TH75-5A
TH75-5B
TH75-18A
TH75-18B
TH75-10B
TH75-9A
TH75-9B
TH75-13A
TH75-13B
EQUITY BS13
CER-1
6061
EQUITY-1
GREENO 4-4
Cb TRACT
OLDLAND 3
P-3,3A
GP-17X-BG
CER-RB-D-02
CER-RB-D-03
H-3
F-3
TH75-15A
TH75-15B
W-4
TG 71-3
CER-7
EQUITY SS1A
B-3
Corral Gulch (CG)
Gulch Ca Tract
CATHEDRAL BLUFFS
GRAND HOGBACK
Big Jimmy G.
Willow Creek
Scandard G.
Little Scandard G.
Cottonwood G.
Sorghum G.
Piceance Creek
Stewart G.
West Fork
A-1
S-6
S-7
A-2
6058
A-5
020
6042
A-6
6039
SG-20
SG-19
A-7
6036
S-3
6007
S-1
A-8
SG-1
SG-1A
A-3
S-8
6052
Cb-1
Cb-2
Cb-3
6028
6022
CER-6
A-11
SG-8
A-9
S-2
S-4
S-9
SG-6
AT-1C
SG-9
6050
SG-10A
SG-10
023
SG-11
A-4
W-2
S-10 (W-3)
A-13
6033
A-10
6015
Cb-4
A-12
SG-17
SG-21
6025

LEGEND

Symbol	Description
◄	Stream gaging station (prefix 0930 omitted from Station No.)
●	Observation well (may have multiple piezometers)
■	Spring or seep
★	Precipitation station
———	Paved roads
═══	Other roads and trails
—·—	Topographic basin of Piceance Creek

(Base map supplied by the United States Geological Survey)

NOTES

See Exhibit B for explanation of monitoring station designations, category and normal frequency of measurements, and entities making measurements.

FIGURE II A-1

EXHIBIT A

KEY FEATURES OF HYDROLOGIC MONITORING PROGRAM FOR Cb TRACT

PICEANCE CREEK BASIN
WATER DIVISION NO. 5
STATE OF COLORADO

TK 162

DECEMBER 1978

OBSERVATION WELLS

Designation	Owner of Well	Data Measured: Piezometric Levels: Upper Aquifer	Data Measured: Piezometric Levels: Lower Aquifer	Data Measured: Water Quality	Measurements By
Cb-1	Cb	–	m	p	A
Cb-2	Cb	m	–	p	A
Cb-3	Cb	m*	m*	p	A
Cb-4	Cb	m	–	p	A
SG-1	Cb	c	c	p	A
SG-1A	Cb	m	–	p	A
SG-6	Cb	m	m	p	A
SG-8	Cb	m	–	p	A
SG-8R	Cb	–	m	p	A
SG-9	Cb	c	c	p	A
SG-10	Cb	–	m	p	A
SG-10A	Cb	m	–	p	A
SG-10R	Cb	–	m	p	A
SG-11	Cb	m	m	p	A
SG-17	Cb	c	c	p	A
SG-18A	Cb	m	–	p	A
SG-19	Cb	c	–	p	A
SG-20	TOSCO	m	–	p	A
SG-21	Cb	m	–	p	A
AT-1C	Cb	m	m	p	A
A-1	+	c	–	p	A
A-2	+	m	–	p	A
A-3	Cb	c	–	p	A
A-4	Cb	m	–	p	A
A-5	Cb	c	–	p	A
A-6	+	m	–	p	A
A-7	Cb	c	–	p	A
A-8	+	c	–	p	A
A-9	Cb	m	–	p	A
A-10	Cb	m	–	p	A
A-11	Cb	c	–	p	A
A-12	Cb	m	–	p	A
A-13	Cb	m	–	p	A
TH75-5A & 5B	U.S.	m (5A)	m (5B)	–	A/F
TH75-13A & 13B	U.S.	m (13A)	m (13B)	–	A/F
Equity 1	Equity Oil Co	–	m	–	A/F
TH75-18A & 18B	U.S.	m (18A)	m (18B)	–	A/F
TH75-10B	U.S.	–	m	–	A/F
TH75-9A & 9B	U.S.	m (9A)	m (9B)	–	A/F
Equity Sulfur 1A	Equity Oil Co	–	m	–	A/F
CER RB-D-02&03	U.S.	m (02)	m (03)	–	A/F
TH75-15A & 15B	U.S.	m (15A)	m (15B)	–	A/F
Greeno 4-4	Shell Oil Co	m*	m*	–	A/F
TG71-3	TOSCO	–	m	–	A/F
TG71-5	TOSCO	–	m	–	A/F
Oldland 3	TOSCO	m*	m*	–	A/F
GP-17X-BG	U.S.	m*	m*	–	A/F
Bute 25	TOSCO	m*	m*	–	A/F
Liberty Bell 12	TOSCO	m*	m*	–	A/F
Union 8-1	Union Oil Co.	m	–	–	A
Getty 9-4D	Getty Oil Co.	–	m	–	A/F
Colony 12-596	Atlantic Richfield	c	–	–	A/Colony
TG71-4	TOSCO	–	m	–	A/F
Equity BS-13	Equity Oil Co	–	m	–	A/F

An asterisk (*) following frequency symbols in columns under "Piezometric Levels" indicates that the composite piezometric level is monitored

Frequency of measurement of water levels in alluvial wells indicated under "Upper Aquifer"

+ Regardless of ownership, Applicant has the right to monitor these wells

PRECIPITATION

Designation	Name of Station	Measurements: Frequency	Measurements: By
020	Cb Air quality trailer 020	c	A
023	Cb Air quality trailer 023	c	A
LH	Little Hills	c	F
M	Meeker 2	c	F
SG	Scandard Gulch on Roan Plateau	c	F
CG	Corral Gulch	c	F
JQS	JQS Gage	c	F
EFPC	East Fork Parachute Creek	c	F
EMFPC	East Middle Fork Parachute Creek	c	F

STREAM FLOW

(Prefix 0930 omitted from Station No.)

Station No.	Description	Data Measured: Discharge	Data Measured: Quality	Measurements By
4800	White River below Meeker	c	p	F
6007	Piceance Creek below Rio Blanco	c	p	F
6015	Middle Fork Stewart Gulch	c	p	F
6022	Stewart Gulch above West Fork	c	p	F
6025	West Fork Stewart Gulch, upstream	c	p	F
6028	West Fork Stewart Gulch at mouth	c	p	F
6033	Sorghum Gulch, upstream	c	p	F
6036	Sorghum Gulch at mouth	c	p	F
6039	Cottonwood Gulch	c	p	F
6042	Tributary of Piceance Cr. (No Name Gulch)	c	p	F
6050	Scandard Gulch, upstream	c	p	F
6052	Scandard Gulch at mouth	c	p	F
6058	Willow Creek	c	p	F
6061	Piceance Creek above Hunter Creek	c	p	F
6200	Piceance Creek below Ryan Gulch	c	p	F
6222	Piceance Creek at White River	c	p	F
6255	Yellow Creek near White River	c	p	F

SPRINGS OR SEEPS

Designation	Data Measured: Discharge	Data Measured: Quality	Measurements By
Cb S-1	w	p	S/A
Cb S-2	–	p	A
Cb S-3	w	p	S/A
Cb S-4	–	p	A
Cb S-6	w	p	S/A
Cb S-7	–	p	A
Cb S-8	w	p	A
Cb S-9	w	p	A
Cb S-10 (W-3)	w	p	S/A
CER-1	w	–	S
B-3	w	–	S
H-3	w	–	S
F-3	w	–	S
Fig. 4-A	w	–	S
W-4	w	–	S
W-9	w	–	S
CER-7	w	–	S
S-9	w	–	S
P3 & 3A	w	–	S

GENERAL NOTES

1 See Exhibit A for location of monitoring stations listed on this Exhibit.

2 Letter symbols under columns of "Data Measured" indicate normal frequency of measurements as follows.

- c - continuous recorder (or daily total or mean)
- w - weekly
- m - monthly
- q - quarterly
- s - semiannually
- a - annually
- p - periodic or variable depending on water quality parameters measured

3 Letter symbols under column of "Measurements By" have following meanings

- A - Applicants in Case No W-3492
- F - Federal (USGS)
- S - State of Colorado (Div of Water Resources)
- O - Others (Indicated where known)

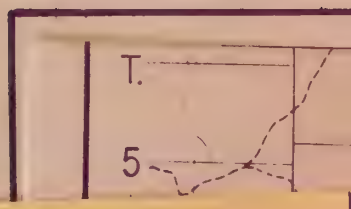
FIGURE II A-2

EXHIBIT B

LIST OF STATIONS
OF HYDROLOGIC MONITORING PROGRAM
FOR
Cb TRACT

TK 162

DECEMBER 1978


T.
5

SURFACE STREAMS

II A-1 SURFACE STREAMS

During this report period data were collected at all of the thirteen C-b affiliated surface water gauging stations shown in Figure II A-3. The period covered began in May 1979 and extended through October 1979. Each station is identified and the data collected at each are identified.

Pages II A-13 through II A-432 summarize all data collected at the above mentioned stations.

Table/Figure No.	Description	Page No.
Figure II A-3	USGS Stream Gauging Station Monitoring Network	II A-13
Table II A-3	Surface Water Data Presented	II A-14

An attempt has neen made to refer to all stations in terms of their four-digit computer station codes. For additional information on these codes refer to Section IV.

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U.S.G.S. STREAM GAUGING STATION MONITORING NETWORK

Figure II A-3

Table II A-3

SURFACE WATER DATA PRESENTED
ENVIRONMENTAL MONITORING REPORT

STATIONS	Discharge (Flow)	Daily Mean Sediment & Discharged Data	Dissolved Oxygen	pH Readings	Specific Conductance	Temperature	Turbidity Values	Sediment Concentrations	Specific Conductance From PS-69 Samples	Temp., pH, D.O., & Conductivity PS-69 Samples	Water Quality Data Process Date 8/17/79	Water Quality Data Process Date 9/13/79	Water Quality Data Process Date 10/15/79
09304800	X												
09306007*	X		X	X	X	X						X	X
09306015	X												
09306022*	X		X	X	X	X						X	X
09306025	X												
09306028	X												
09306033	X												
09306036	X												
09306039	X												
09306042	X				X	X							
09306050	X												
09306052	X												
09306058*	X		X	X	X	X						X	X
09306061*	X		X	X	X	X						X	X
09306175													
09306200	X												
09306222	X												
09306235													
09306240													
09306242													
09306244													
09306255	X										X		

* Major gauging station.

MAJOR GAUGING
STATIONS

USGS WATER GAUGING STATION 09306007
Piceance Creek Below Rio Blanco

A. Figure II A-4: Stream Flow for Water Years 1974-1978

B. DAILY TABLES

1. Discharge (Flow)
2. Dissolved Oxygen
3. pH
4. Specific Conductance
5. Temperature

C. WATER QUALITY DATA
PROCESS DATE 9/13/79
10/15/79

USGS WATER GAUGING STATION 09306007
Piceance Creek Below Rio Blanco

A. Figure II A-4: Stream Flow for Water Years 1974-1978

B. DAILY TABLES

1. Discharge (Flow)
2. Dissolved Oxygen
3. pH
4. Specific Conductance
5. Temperature

C. WATER QUALITY DATA
PROCESS DATE 9/13/79
10/15/79

Figure II A-4

STREAM FLOW AT USGS STATION 09306007 (WU07)

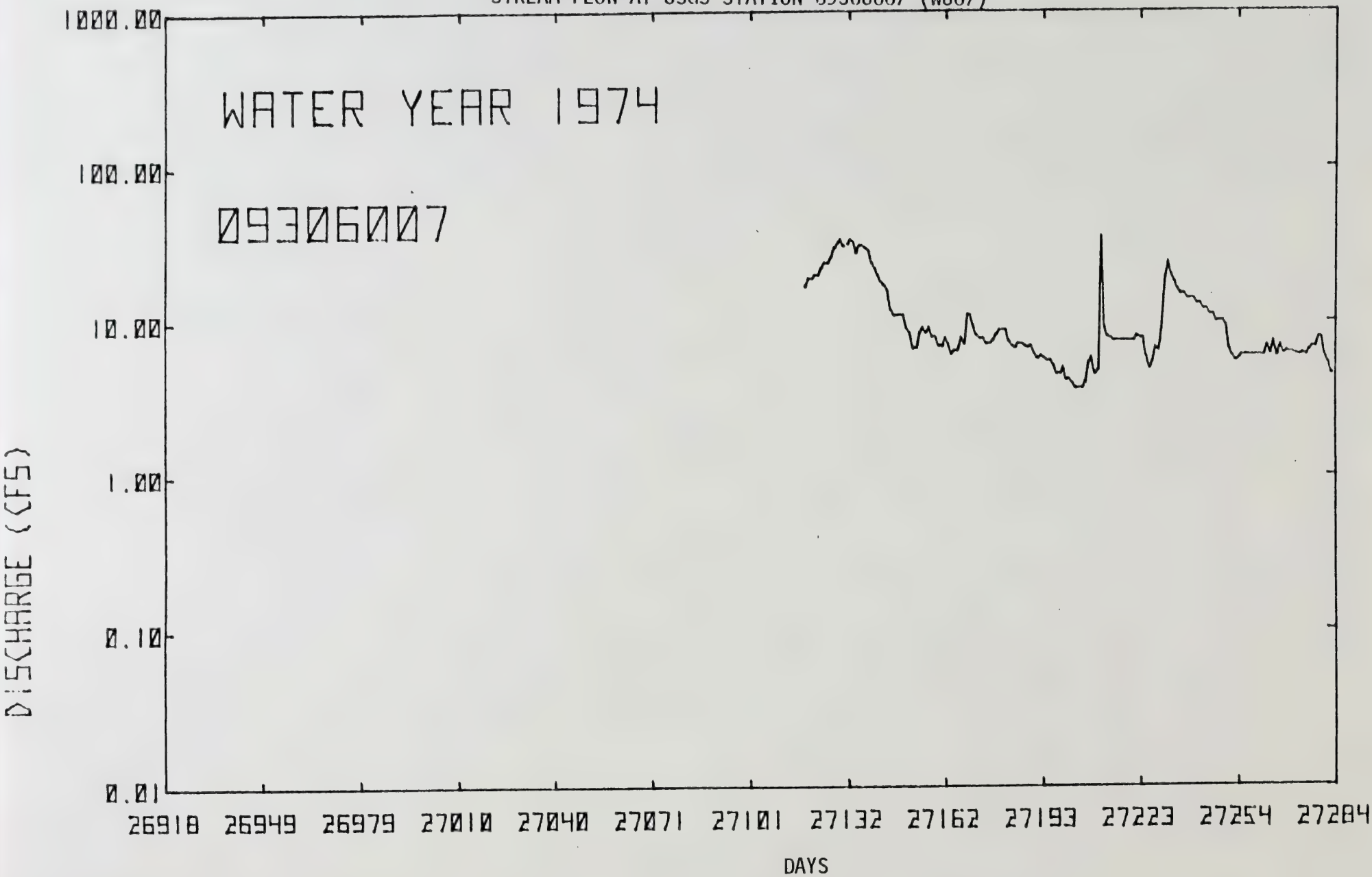


Figure II A-4

STREAM FLOW AT USGS STATION 09306007 (WU07)

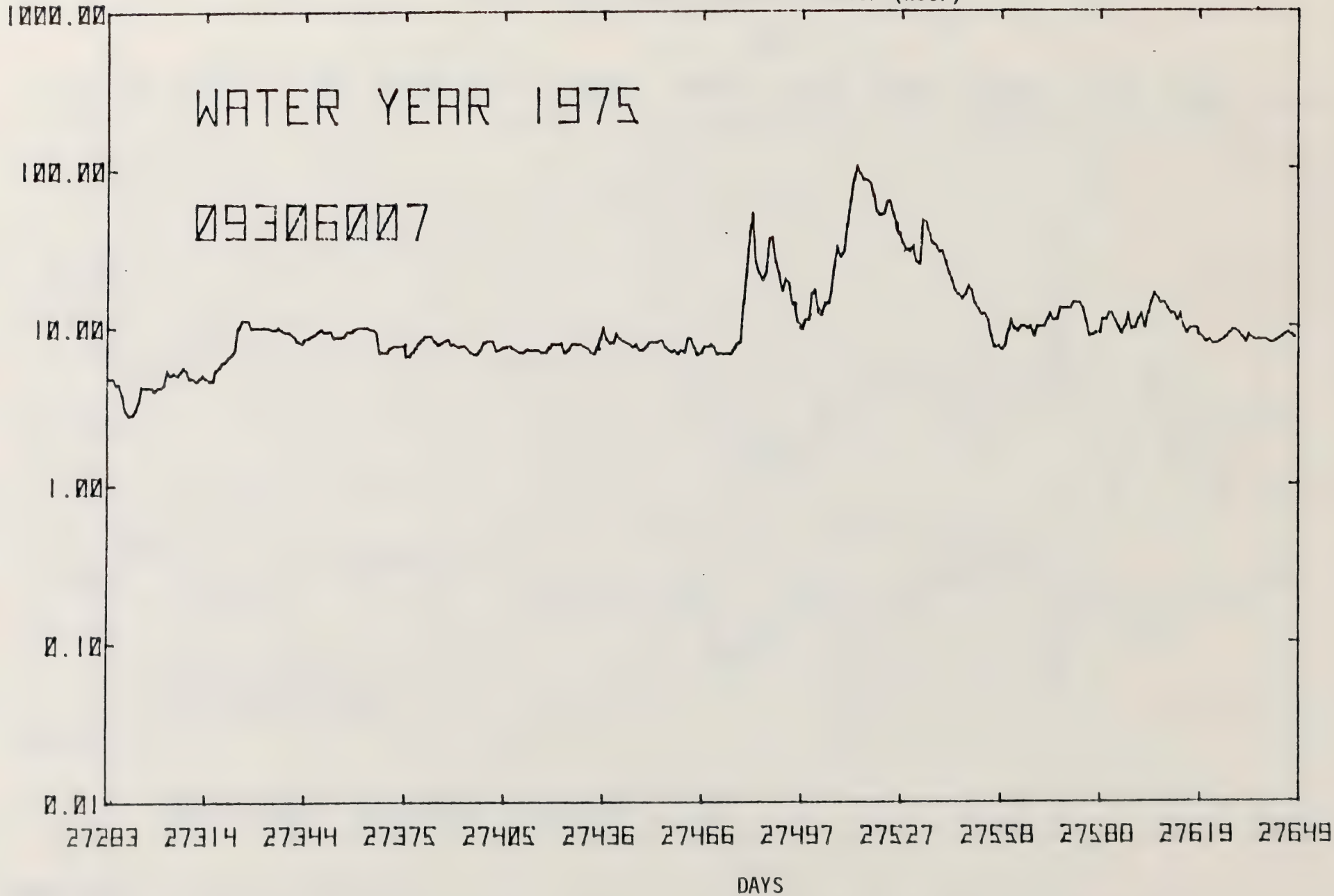
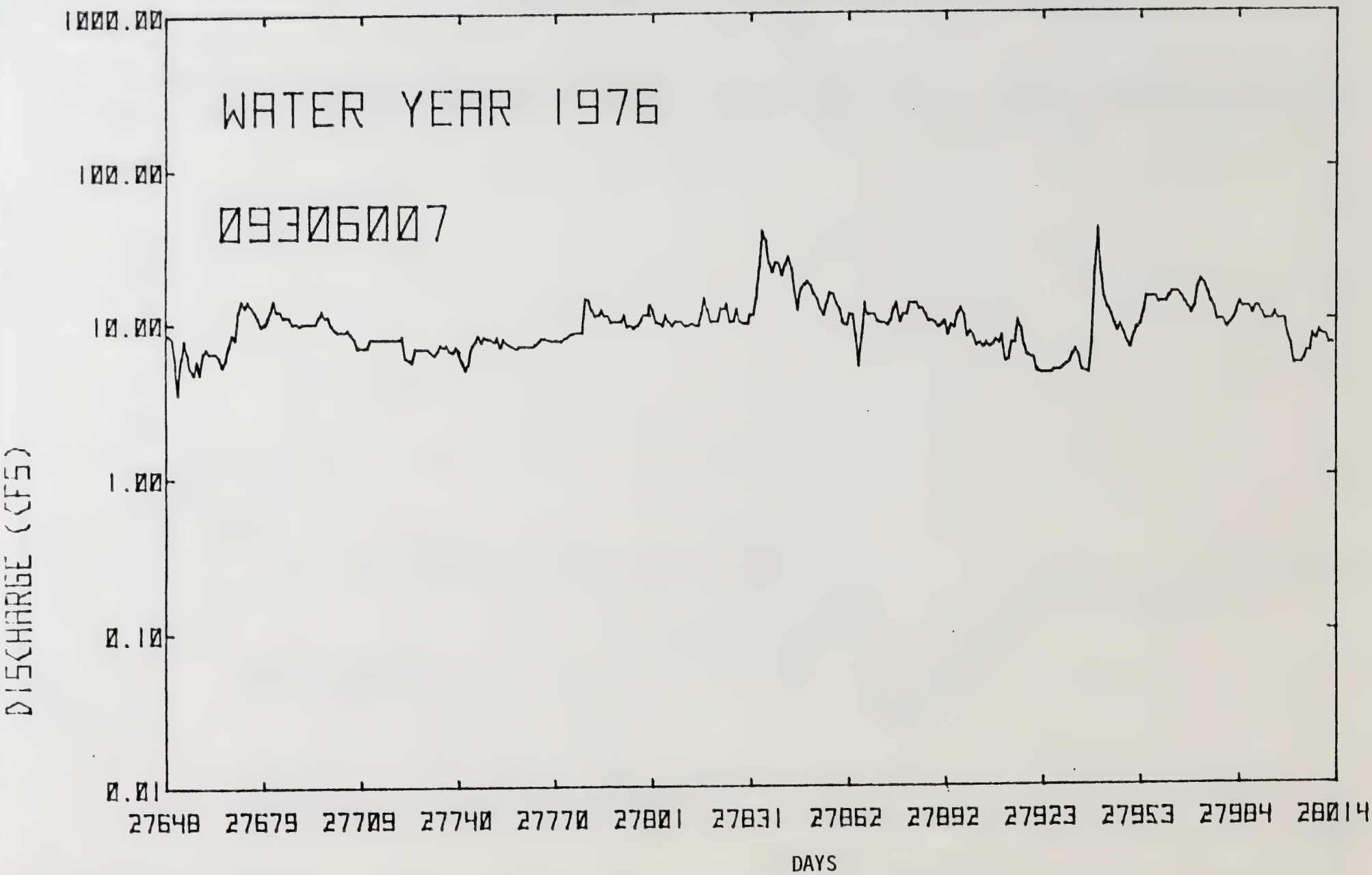


Figure II A-4

STREAM FLOW AT USGS STATION 09306007 (WU07)



STREAM FLOW AT USGS STATION 09306007 (WU07)

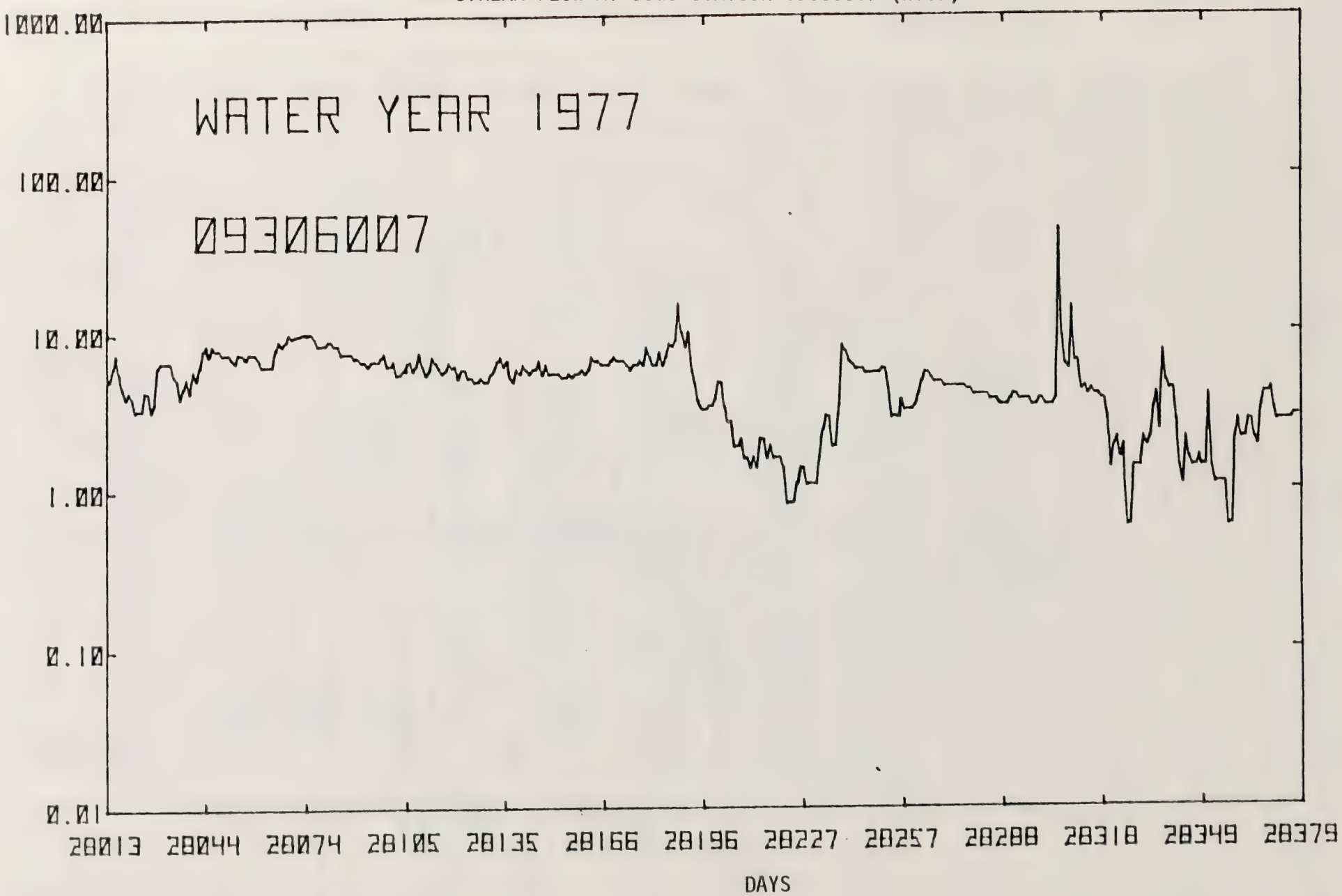
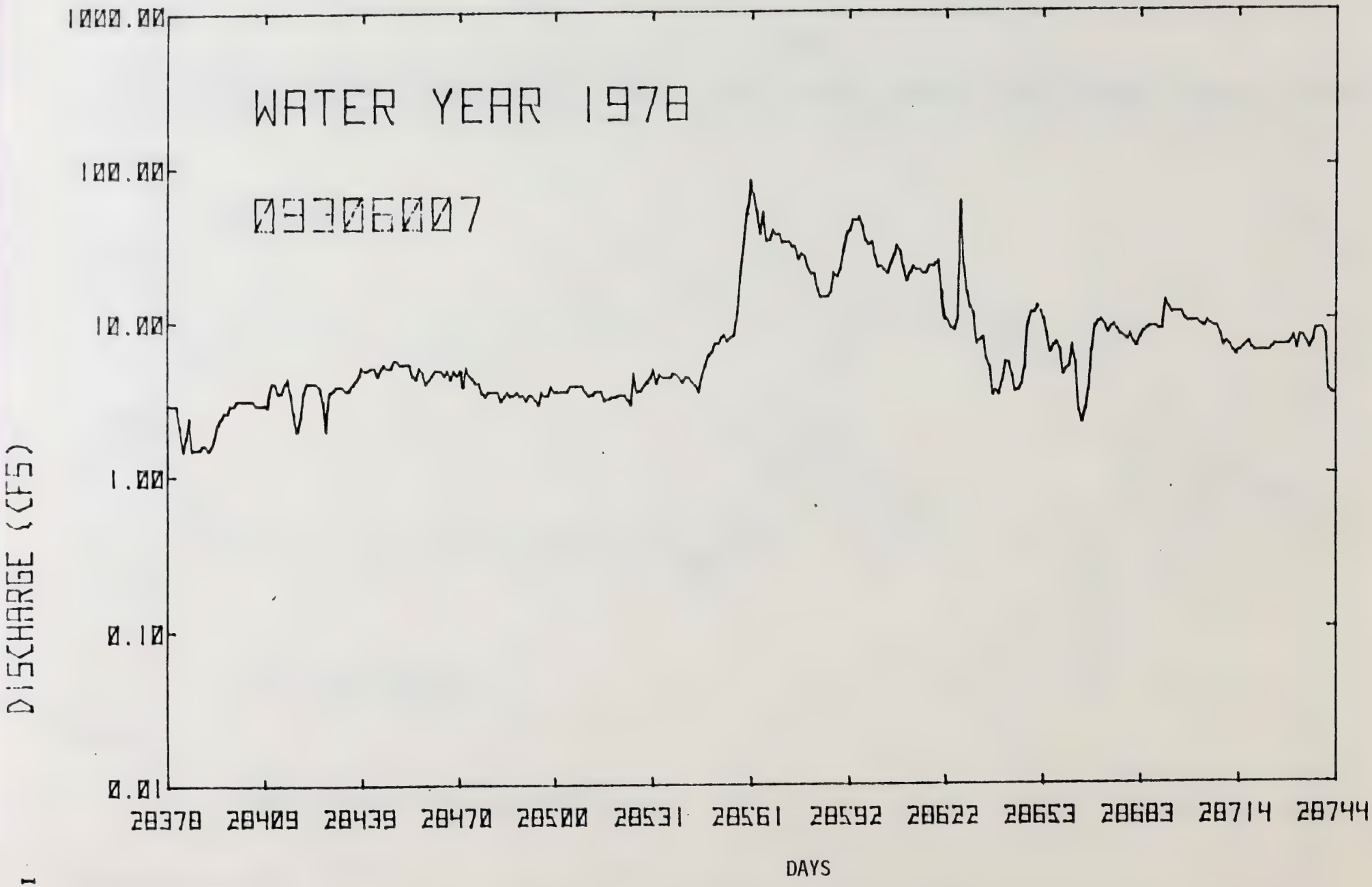


Figure II A-4

STREAM FLOW AT USGS STATION 09306007 (WU07)



PICEANCE CR BELOW RIO BLANCO, COLO 1979

09306007

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

File No.

Daily Gage Height, in Feet, and Discharge, in Second-Feet, of PICEANCE ... River / Creek

At / Near BELOW RIO BLANCO, COLO ... for the Year Ending September 30, 1979.

File Number { Washington's / District

Used rating table dated #3

Drainage Area 177 Square Miles. Water-Stage Recorder CONTINUOUS Ratio 1 : 6 Gage Read to ... Once / Twice a Day by ...

Gage heights used to half tenths between ... and hundredths below and tenths above these limits.

S-DISCHARGE SUBDIVIDED, V-VARIABLE SHIFT, DISCHARGE ESTIMATED FOR "2.11"-NO GAGE HEIGHT RECORD, "b" ICE EFFECT

Day	October Gage height	October Discharge	November Gage height	November Discharge	December Gage height	December Discharge	January Gage height	January Discharge	February Gage height	February Discharge	March Gage height	March Discharge
1	2.14	4.3	2.19	6.5	2.15	7.4		8.0	"a"	7.1	2.09	7.1
2	2.14	4.5	2.19	6.8	2.17	8.0		8.1		7.0	2.09	7.1
3	2.06	2.6	2.20	7.1	2.17	8.0		8.2		6.9	2.09	7.1
4	2.08	3.1	2.21	7.4	2.17	8.0	2.14	8.3		6.8	2.09	7.1
5	2.07	2.9	2.23	8.0	2.13	6.8	2.13	8.0		6.7	2.09	7.1
6	2.15	4.8	2.22	8.0	2.12	6.5	2.12	7.7		6.5	2.09	7.1
7	2.07	2.9	2.22	8.0	2.16	7.7		7.7		6.4	2.09	7.1
8	2.16	5.0	2.26	9.2	a	7.6		7.6	a	6.3	2.09	7.1
9	2.16	5.0	2.29	11		7.4		7.6	2.07	6.2	2.09	7.1
10	2.13	4.3	2.27	9.9		7.3		7.5	2.11	7.4	2.08	6.8
11	2.13	4.3	2.28	10		7.2		7.5	2.15	8.6	2.09	7.1
12	1.96	1.80	2.33	12		7.1	"a"	7.3	2.15	8.6	2.09	7.1
13	2.04	2.2	2.26	9.9	a	7.0		7.3	2.15	8.6	2.09	7.1
14	2.06	2.9	2.23	8.9	2.12	6.8		7.2	2.14	8.3	2.10	7.4
15	2.02	2.0	2.23	8.9	2.12	6.8		7.1	2.15	8.6	2.09	7.1
16	2.04	2.4	2.23	8.9	2.12	6.8		7.0	2.14	8.3	2.16	9.2
17	2.03	2.2	2.22	8.9	2.12	6.8		6.9	2.14	8.3	2.16	9.2
18	2.08	3.3	2.23	9.2	2.13	7.1	"a"	6.8	2.14	8.3	2.16	9.6
19	2.10	3.8	2.22	8.9	2.12	7.1	2.08	6.8	2.08	6.5	2.18	10
20	2.06	2.9	2.21	8.9	2.12	7.1	2.09	7.1	2.06	5.9	2.17	9.9
21	2.07	3.1	2.21	8.9	2.12	7.1	"b"	7.6	2.06	6.2	2.18	10
22	2.12	4.3	2.19	8.3	2.12	7.1	2.12	8.0	2.08	6.8	2.17	9.9
23	2.10	3.8	2.20	8.6	2.12	7.1	"b"	8.2	2.12	8.0	2.14	8.9
24	2.07	3.1	2.19	8.3	a	7.2	"b"	8.4	2.12	8.0	2.15	9.2
25	2.07	3.1	2.19	8.3		7.3	2.14	8.6	2.12	8.0	2.15	9.6
26	2.09	3.5	2.18	8.0		7.4	2.13	8.0	2.05	5.9	2.16	9.9
27	2.10	4.0	2.16	7.4		7.5	2.12	7.7	2.04	5.6	2.17	11
28	2.14	5.0	2.14	7.1		7.6	"a"	7.6	2.09	7.1	2.18	11
29	2.15	5.3	2.14	7.1		7.7		7.5			2.20	12
30	2.16	5.6	2.14	7.1		7.8		7.4			2.20	12
31	2.16	5.6			a	7.9	"a"	7.2			2.20	12
Total		114.34		255.5		226.2		235.9		202.9		269.9

Day	April Gage height	April Discharge	May Gage height	May Discharge	June Gage height	June Discharge	July Gage height	July Discharge	August Gage height	August Discharge	September Gage height	September Discharge
1	2.20	12	2.79	48	2.97	75	2.23	13	2.39	21	2.30	17
2	2.19	12	2.87	55	2.94	71	2.23	13	2.36	20	2.23	15
3	2.19	12	3.02	66	2.91	69	2.23	13	2.37	20	2.17	11
4	2.20	13	2.94	61	2.93	69	2.21	12	2.39	19	2.12	9.6
5	2.21	14	2.77	49	2.76	57	2.15	10	2.39	21	2.13	9.9
6	2.20	13	2.81	53	2.66	48	2.02	6.2	2.42	23	2.14	10
7	2.22	14	3.02	68	2.68	49	2.04	6.8	2.42	23	2.15	11
8	2.33	19	3.10	74	2.70	50	2.09	8.3	2.43	23	2.16	11
9	2.51	28	3.11	76	2.66	46	2.15	10	2.42	23	2.15	11
10	2.65	36	3.10	76	2.61	42	2.19	12	2.41	22	2.15	10
11	2.47	26	3.13	79	2.57	39	2.10	8.6	2.39	22	2.15	10
12	2.36	21	3.28	91	2.49	33	2.16	11	2.35	20	2.21	12
13	2.43	24	3.46	106	2.49	33	2.25	14	2.34	20	2.19	12
14	2.41	23	3.61	121	2.51	33	2.23	14	2.34	20	2.19	12
15	2.61	33	3.70	130	2.46	30	2.23	14	2.33	19	2.18	11
16	2.76	42	3.84	144	2.43	28	2.28	16	2.34	20	2.18	11
17	2.87	49	3.89	150	2.39	25	2.26	15	2.34	20	2.16	11
18	3.00	59	3.91	153	2.38	24	2.25	14	2.33	19	2.17	11
19	3.02	60	3.96	158	2.38	23	2.31	17	2.34	20	2.18	11
20	2.86	49	3.92	155	2.38	23	2.31	17	2.39	19	2.18	11
21	2.19	45	3.80	143	2.34	20	2.30	16	2.33	19	2.14	9.6
22	2.78	44	3.60	125	2.26	16	2.27	16	2.30	17	2.00	5.3
23	2.78	44	3.52	118	2.24	15	2.25	15	2.30	17	2.05	6.8
24	2.92	47	3.49	116	2.21	13	2.22	14	2.23	16	1.97	4.5
25	2.86	50	3.52	119	2.24	14	2.28	16	2.28	16	1.91	2.9
26	2.85	50	3.43	112	2.17	11	2.39	21	2.28	16	2.06	6.8
27	2.86	51	3.36	106	2.14	9.6	2.41	22	2.27	16	2.06	6.8
28	2.85	50	3.29	100	2.10	8.3	2.36	20	2.29	14	2.05	6.5
29	2.86	52	3.21	94	2.22	12	2.34	19	2.33	18	2.07	7.1
30	2.84	51	3.13	88	2.24	13	2.37	20	2.33	18	2.08	7.4
31			3.03	80			2.37	20	2.31	17		
Total		1,043		3,114		998.9		443.9		598.0		291.2

Total for year: 7,793.

Mean Discharge ... Max. Discharge ... Min. Discharge ... Max. G. H. ... Min. G. H. ...

Drainage Area ... Runoff ... Runoff in Inches ...

Computed ... Checked ...

DISCHARGE, IN CFS, WATER YEAR 1980, MEAN VALUES, FOR

PICEANCE CR BL RIO BLANCO 09306007 WY 1980 MEAN DAILY DISCHARGE

	Oct.	Nov.
1	6.20	15.00
2	5.90	15.00
3	5.90	14.00
4	5.90	14.00
5	6.20	14.00
6	6.20	14.00
7	5.90	13.00
8	5.90	13.00
9	5.90	13.00
10	6.80	13.00
11	7.70	13.00
12	7.10	13.00
13	6.50	13.00
14	6.80	13.00
15	7.10	0.00
16	8.00	0.00
17	8.30	0.00
18	8.70	0.00
19	9.40	0.00
20	11.00	0.00
21	11.00	0.00
22	12.00	
23	13.00	
24	14.00	
25	14.00	
26	14.00	
27	14.00	
28	14.00	
29	17.00	
30	16.00	
31	15.00	
TOTAL	295.40	0.00

UNITED STATES DEPART-
PRIMARY

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR END

S	DATE	MAX	MIN	MEAN
A	12-14	~~11.9~~	~~3.7~~	~~7.1*~~
A	12-15	~~12.0~~	~~2.9~~	~~6.6~~
		INTAKE FROZEN		
A	12-16	~~12.2~~	~~2.8~~	~~7.8~~
A	12-17	12.1	11.1	11.5
	12-18	11.1	10.5	10.8
A	12-19	11.2	~~8.7~~ 10.6	~~10.8~~ 10.9
A	12-20	12.0	11.0	11.4
A	12-21	12.3	11.5	11.8
A	12-22	12.3	11.0	11.7
	12-23	11.9	11.4	11.6
A	12-24	12.2	11.1	11.7
A	12-25	12.2	11.5	11.8
A	12-26	12.0	11.3	11.7
	12-27	11.9	11.2	11.5
	12-28	11.4	10.7	11.1
A	12-29	11.8	~~9.0~~ 10.7	11.1
	12-30	11.9	11.4	11.7
	12-31	11.9	11.3	11.6
	1-01	11.7	11.2	11.5
	1-02	11.6	11.3	11.4
	1-03	11.7	11.4	11.6
	1-04	11.7	11.3	11.5
	1-05	11.5	10.8	11.2

UNITED STATES DEPART
PRIMARY

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR END

S	DATE	MAX	MIN	MEAN
	1-06	11.5	10.9	11.2
A	1-07	12.0	~~4.8~~ 11.6	~~10.9~~ 11.8
A	1-08	5.7	4.1	5.0
A	1-09	5.0	2.8	4.1
A	1-10	3.1	2.8	2.7
A	1-11	2.5	2.0	2.3
	1-12	2.2	2.0	2.1*
PERIOD		12.3	2.0	

INTAKE FROZEN

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOW
A - SUCCESSIVE RECORDED PUNCH REA
R - ONE OR MORE INPUT VALUE IS OUT
* - DAILY SUMMARY IS FOR AN INCOMP
% - UNIT VALUES RECORD WRITTEN

UNITED STATE

09306007
PICEANCE CREEK BELOW RIO BI
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER

S	DATE	MAX	MIN	MEAN
A	4-02	10.8	8.4	9.3*
A	4-03	11.3	8.2	9.8
A	4-04	11.2	8.3	9.8
A	4-05	11.0	7.3	9.2
A	4-06	11.0	6.9	9.1
A	4-07	10.8	7.2	9.0
A	4-08	9.7	7.1	8.4
A	4-09	9.9	8.0	8.8
A	4-10	~~[illegible]~~	~~[illegible]~~ poor flow	~~[illegible]~~
+1.5				
	4-11	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
-0 A	4-12	9.8	~~[illegible]~~ 8.4	~~[illegible]~~
A	4-13	10.2	7.6	9.0
-2.0 A	4-14	~~[illegible]~~ poor flow	~~[illegible]~~ 6.7	~~[illegible]~~
A	4-15	~~[illegible]~~	~~6.5~~	~~[illegible]~~
A	4-16	~~[illegible]~~ poor flow	~~[illegible]~~	~~[illegible]~~
A	4-17	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
A	4-18	9.5	7.4	8.5
A	4-19	9.5	7.8	8.7
A	4-20	10.0	7.8	8.9
A	4-21	9.8	8.1	9.0
A	4-22	-9.3	~~[illegible]~~ 8.1	~~[illegible]~~
A	4-23	9.7	8.0	8.9
A	4-24	9.4	~~[illegible]~~ 8.2	8.8-

UNITED STATE

09306007
PICEANCE CREEK BELOW RIO R
DISSOLVED OXYGEN (DO), MG/

PROVISIONAL DATA FOR WATER

S	DATE	MAX	MIN	MEAN
A	4-25	9.5	8.3	9.0
A	4-26	10.2	8.1	9.2
A	4-27	10.1	8.2	9.2
	4-28	9.7	8.4	9.1
A	4-29	10.2	8.5	9.3
A	4-30	10.0	8.6	9.3
	5-01	9.6	9.2	9.4*
PERIOD		11.3	2.0	

NOTE.- SYMBOLS USED ABOVE HAVE TH
A - SUCCESSIVE RECORDED PI
R - ONE OR MORE INPUT VAL
* - DAILY SUMMARY IS FOR
% - UNIT VALUES RECORD WR

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOG
PRIMARY COMPUTATIONS OF QUALITY OF W
DATA PROCESS

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	5-01	9.3	7.7	8.9	AM				
					PM	9.1	8.8	8.5	8.4
	5-02	9.5	8.8	9.2	AM	8.9	9.0	9.1	9.2
					PM	9.0	8.9	8.8	9.0
A	5-03	10.3	9.2	9.7	AM	9.5	9.6	9.7	9.9
					PM	9.8	9.5	9.3	9.2
A	5-04	10.7	7.9	9.4	AM	9.9	10.1	10.2	10.3
					PM	9.2	8.7	8.3	8.0
A	5-05	10.3	8.2	9.3	AM	9.3	9.4	9.6	9.8
					PM	9.4	9.1	8.7	8.5
A	5-06	9.8	8.4	9.1*	AM	9.1	9.2	9.3	9.4
					PM	8.3	8.5	8.4	8.4
PERIOD		10.7	7.7						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CON R
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLO
PRIMARY COMPUTATIONS OF QUALITY OF
DATA PROCES

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	5-07	I.D. ~~10.1~~	~~7.7~~	~~9.3~~	AM				
					PM		9.7	10.0	9.9
A	5-08	10.2	~~7.1~~ 8.9		AM	~~7.4~~	~~7.2~~	~~7.3~~	~~7.3~~
					PM	9.9	9.6	9.3	9.1
AR	5-09	10.3	7.8		AM	10.0	10.1	10.1	10.2
					PM		8.3	8.3	7.7
A	5-10	9.3	~~5.4~~ 7.8		AM	8.6	8.7	8.9	9.0
					PM	8.5	8.2	7.9	8.5
A	5-11	8.2	6.3	7.1	AM	6.6	6.7	6.7	6.4
					PM	6.6	6.6	7.7	7.3
A	5-12	9.3	6.1	7.8	AM	8.3	8.5	8.6	8.8
					PM	8.1	7.7	7.6	7.0
A	5-13	8.1	5.6	6.8	AM	6.9	7.1	7.3	7.5
					PM	6.8	6.5	6.2	6.0
A	5-14	7.5	5.7	6.5	AM	6.2	6.4	6.6	6.8
					PM	6.5	6.2	6.1	5.9
A	5-15	9.1	~~5.5~~ 7.7		AM	6.4	6.6	6.6	6.7
					PM	8.4	7.9	7.7	7.8
AR	5-16	9.6	7.4		AM			7.4	7.4
					PM	8.5	8.3	8.3	8.1
A	5-17	9.9	7.6	8.6	AM	8.8	9.0	9.2	9.2
					PM	8.5	8.2	7.9	7.8
A	5-18	9.4	7.3	8.5	AM	8.6	8.8	9.0	9.1
					PM	8.4	8.0	7.9	7.6
A	5-19	9.7	7.3	8.5	AM	8.6	8.9	9.1	9.1
					PM	8.5	8.1	7.8	7.5
A	5-20	~~7.6~~	~~3.2~~	~~5.4~~	AM	7.6	6.7	6.0	6.7
					PM	5.6	5.2	4.7	4.4
A	5-21	~~6.2~~	~~5.1~~	~~5.6~~	AM	5.1	5.1	5.2	5.3
					PM	6.4	6.1	5.9	5.7
A	5-22	~~7.8~~	~~5.2~~	~~6.7~~	AM	6.2	6.3	6.5	6.7
					PM	6.2	5.9	5.7	5.2
A	5-23	~~9.4~~	~~7.0~~	~~8.1~~	AM	8.0	8.2	8.5	8.7
					PM	8.2	7.8	7.4	7.3
A	5-24	~~400.0~~	~~7.8~~	~~500.0~~	AM	7.8	8.0	8.2	8.4
					PM	3100.0	2700.0	2400.0	2100.0
A	5-25	~~600.0~~	~~500.0~~	~~700.0~~	AM	2900.0	3000.0	3200.0	3300.0
					PM	2900.0	2400.0	2000.0	1800.0
A	5-26	~~800.0~~	~~500.0~~	~~300.0~~	AM	2500.0	2700.0	3000.0	3200.0
					PM	2400.0	2000.0	1600.0	1100.0
A	5-27	~~800.0~~	~~400.0~~	~~500.0~~	AM	2000.0	2400.0	2600.0	2900.0
					PM	2400.0	2100.0	1900.0	1700.0
A	5-28	~~500.0~~	~~400.0~~	~~500.0~~	AM	2500.0	2700.0	2900.0	3100.0
					PM	2800.0	2300.0	2100.0	1900.0
A	5-29	~~600.0~~	~~000.0~~		AM	2400.0	2600.0	2800.0	3000.0

BLOCKED INTAKE

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGI
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSEI

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4	
					PM	3100.0	3000.0	2700.0	2400.0	22
A	5-30	400.0	800.0	200.0	AM	3200.0	3500.0	3700.0	3900.0	40
					PM	3300.0	2700.0	2300.0	1900.0	18
A	5-31	400.0	500.0	000.0*	AM	3500.0	3700.0	3900.0	4000.0	41
					PM					
PERIOD		400.0	3.2							

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	6-01	8.7	6.7	7.4*	AM				
					PM		8.7	8.2	8.0
A	6-02	8.1	6.5	7.4	AM	7.5	7.7	7.8	7.9
					PM	7.1	6.9	6.7	6.5
A	6-03	8.4	6.8	7.7	AM	7.7	7.8	7.9	8.1
					PM	7.4	7.2	7.2	6.9
A	6-04	8.9	7.0	8.1	AM	8.2	8.4	8.4	8.6
					PM	7.8	7.5	7.3	7.1
A	6-05	9.6	7.4	8.5	AM	8.7	8.9	9.1	9.2
					PM	8.3	7.9	7.6	7.5
A	6-06	9.7	8.2	8.9	AM	8.8	9.0	9.2	9.4
					PM	8.6	8.5	8.3	8.4
A	6-07	~~10.0~~	~~7.1~~	~~9.5~~	AM	9.2	9.4	9.5	9.6
					PM	9.2	9.3	9.2	9.1
A	6-08	~~13.0~~ PROBE MALF.	~~7.1~~	~~11.3~~	AM	10.1	10.3	10.4	10.4
					PM	10.9	10.8	10.8	10.9
A	6-09	~~12.6~~	~~5.1~~	~~8.3~~	AM	12.6	12.3	12.1	12.0
					PM	7.4	7.2	7.6	6.7
A	6-10	~~5.7~~	~~2.2~~	~~4.4~~	AM	5.2	5.7	5.4	5.4
					PM	4.3	4.0	3.6	3.5
A	6-11	7.5	~~3.9~~ 6.2	~~5.7~~	AM	4.5	4.6	4.6	4.4
					PM	7.3	7.3	6.7	6.3
A	6-12	8.7	6.0	7.3	AM	7.7	7.9	8.2	8.3
					PM	6.7	6.5	6.2	6.0
A	6-13	8.5	6.1	7.3	AM	7.6	7.8	8.0	8.2
					PM	6.7	6.5	6.3	6.2
A	6-14	8.4	6.3	7.4	AM	7.6	7.9	8.0	8.2
					PM	6.9	6.8	6.5	6.3
A	6-15	8.4	6.5	7.5	AM	7.7	7.9	8.0	8.2
					PM	7.3	7.0	6.7	6.5
A	6-16	8.3	6.2	7.5	AM	8.0	8.2	8.3	8.5
					PM	6.8	6.5	6.3	6.2
A	6-17	8.9	6.5	7.7	AM	8.1	8.3	8.5	8.7
					PM	7.2	6.9	6.7	6.6
A	6-18	8.7	7.3	8.0	AM	8.0	8.1	8.3	8.4
					PM	7.7	7.4	7.3	7.3
A	6-19	8.8	7.7	8.4	AM	8.3	8.3	8.5	8.6
					PM	8.4	8.3	7.9	7.8
A	6-20	9.5	6.7	8.1	AM	8.8	9.0	9.0	9.2
					PM	7.5	7.1	7.0	6.8
A	6-21	9.4	6.6	8.0	AM	8.4	8.7	8.9	9.0
					PM	7.2	6.9	6.7	6.6
A	6-22	9.5	6.8	8.1	AM	8.5	8.7	8.9	9.1
					PM	7.5	7.2	6.9	6.9
A	6-23	9.5	6.9	8.1		[illegible]	8.7	8.9	9.0

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE

09306007 DATA PROCESSED
PICEANCE CREEK BELOW RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L SS

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4	Va
					PM	7.6	7.3	7.0	6.9	
A	6-24	9.4	6.7	8.0	AM	8.3	8.5	8.7	9.0	
					PM	7.5	7.3	7.0	6.8	
A	6-25	8.5	6.8	7.7	AM	7.9	8.0	8.1	8.1	
					PM	7.5	7.1	6.9	6.8	
A	6-26	9.3	8.4	9.0*	AM	8.4	8.6	8.8	9.0	
					PM					
PERIOD		13.0	3.2							

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SP
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIC
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

membrane fouled

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	6-26	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	AM				
					PM	.4	.4	.4	.3
A	6-27	8.2	~~[illegible]~~ 6.7	~~[illegible]~~	AM	.2	.2	.2	.3
					PM	7.3	7.2	7.4	7.5
A	6-28	8.5	6.8	7.6	AM	7.3	7.4	7.5	7.7
					PM	7.8	7.6	7.5	7.5
A	6-29	8.5	6.4	7.5	AM	7.1	7.3	7.5	7.6
					PM	7.9	7.7	7.6	7.5
A	6-30	8.4	6.6	7.5	AM	7.2	7.3	7.4	7.5
					PM	7.9	8.0	8.0	7.9
A	7-01	8.2	6.3	7.3	AM	7.1	7.2	7.2	7.3
					PM	7.9	7.8	7.0	6.6
A	7-02	8.7	6.5	7.3	AM	6.5	6.6	6.9	6.7
					PM	8.5	8.1	7.9	8.1
A	7-03	9.1	7.0	7.9	AM	7.2	7.3	7.4	7.5
					PM	8.7	8.8	8.5	7.9
A	7-04	9.3	6.7	8.1	AM	7.4	7.5	7.6	7.6
					PM	8.2	9.2	9.1	8.7
A	7-05	9.5	5.9	7.9	AM	7.3	7.4	7.5	7.7
					PM	9.0	9.2	9.2	8.8
A	7-06	9.3	6.3	7.5	AM	6.3	6.5	6.6	6.6
					PM	9.2	8.2	7.9	9.0
A	7-07	9.0	5.7	7.6	AM	6.7	6.7	6.8	6.9
					PM	8.9	9.0	8.9	8.5
A	7-08	8.7	5.7	7.3	AM	6.1	6.3	6.4	6.5
					PM	8.6	8.6	8.6	8.4
A	7-09	8.2	5.5	6.6	AM	6.2	6.4	6.5	6.6
					PM	7.7	7.5	7.2	7.2
A	7-10	7.0	5.2	6.5	AM	5.8	6.0	6.0	6.1
					PM	7.5	7.5	7.2	7.0
A	7-11	7.1	5.0	6.1	AM	5.5	5.6	5.7	5.8
					PM	6.8	6.7	6.5	6.5
A	7-12	6.8	4.[illegible]	5.9	AM	5.4	5.5	5.6	5.7
					PM	6.6	6.6	6.2	6.0
A	7-13	6.4	4.7	5.6	AM	5.4	5.5	5.6	5.7
					PM	6.1	6.0	5.8	5.7
A	7-14	6.2	4.7	5.4	AM	5.0	5.1	5.2	5.3
					PM	6.0	5.8	5.7	5.7
A	7-15	6.1	4.9	5.4	AM	5.2	5.3	5.4	5.5
					PM	5.9	5.1	5.0	5.5
A	7-16	6.0	4.8	5.4	AM	5.2	5.3	5.4	5.4
					PM	5.8	5.6	5.2	4.8
A	7-17	6.0	5.1	5.[illegible]*	AM	5.3	5.4	5.4	5.4
					PM	5.5	5.3	5.1	

FM 6.2

UNITED STATE

09306007
PICEANCE CREEK BELOW RIO B
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER

DATE	MAX	MIN	MEAN	
7-17	6.5	6.0	5.8	M
7-18	7.5	6.1	6.7	M
7-19	7.4	5.8	6.6	
7-20	7.4	6.2	6.7	M
7-21	7.4	5.9	6.6	M
7-22	7.1	6.0	6.5	M
7-23	7.3	5.9	6.6	
7-24	7.4	5.9	6.7	M
7-25	7.5	6.0	6.7	M
7-26	7.2	6.4	6.7	M
7-27	7.4	6.3	6.8	
7-28	7.3	6.2	6.8	M
7-29	7.4	6.2	6.8	M
7-30	7.6	6.3	7.0	
7-31	7.8	6.5	7.1	M
8-01	7.9	6.5	7.2	M
8-02	8.0	6.5	7.3	M
8-03	8.1	6.5	7.3	
8-04	8.2	6.4	7.3	M
8-05	8.0	6.5	7.3	M
8-06	8.2	6.8	7.5	M
8-07	8.2	6.6	7.4	
8-08	8.1	6.9	7.5	M

UNITED STATES DEPA
PRIMA

09306007
PICEANCE CREEK BELOW RIO BLANCO,
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEA

S	DATE	MAX	MIN	MEAN	
					PM
A	8-09	8.3	6.9	7.6	AM
					PM
A	8-10	8.4	6.8	7.6	AM
					PM
A	8-11	8.7	6.8	7.7	AM
					PM
A	8-12	8.5	6.8	7.6	AM
					PM
A	8-13	8.2	7.1	7.6	AM
					PM
A	8-14	8.5	7.6	8.0	AM
					PM
A	8-15	8.6	7.6	8.0	AM
					PM
	8-16	8.3	7.8	8.1*	AM
					PM
	PERIOD	8.7	5.8		

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLL
A - SUCCESSIVE RECORDED PUNCH R
R - ONE OR MORE INPUT VALUE IS
* - DAILY SUMMARY IS FOR AN INC
% - UNIT VALUES RECORD WRITTEN

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

HISTORICAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	8-16	8.1	7.4	7.9	AM	[illegible]			
					PM		8.1	7.9	7.8
A	8-17	8.7	7.6	8.1	AM	[illegible]	8.2	8.3	[illegible]
					PM	8.3	8.1	7.9	7.8
A	8-18	8.6	7.9	8.2	AM	8.1	8.1	8.2	8.3
					PM	8.0	8.1	8.2	8.0
A	8-19	8.6	7.8	8.2	AM	8.2	8.2	8.3	8.3
					PM	8.3	8.1	8.0	8.1
A	8-20	8.6	7.8	8.2	AM	8.2	8.2	8.3	8.3
					PM	8.3	8.3	8.0	8.0
A	8-21	8.9	7.4	8.1	AM	8.2	8.3	8.4	8.4
					PM	8.0	7.7	7.5	7.4
A	8-22	9.0	6.9	8.0	AM	8.1	8.2	8.4	8.4
					PM	8.0	7.8	7.6	7.4
A	8-23	8.9	7.0	8.0	AM	7.9	8.1	8.3	8.4
					PM	8.1	7.8	7.6	7.3
A	8-24	8.8	6.9	7.9	AM	7.9	8.1	8.1	8.2
					PM	8.0	7.7	7.5	7.3
A	8-25	8.9	7.1	8.0	AM	8.0	8.1	8.3	8.4
					PM	8.1	7.9	7.6	7.4
A	8-26	9.0	7.1	8.0	AM	7.9	8.1	8.2	8.3
					PM	8.1	7.8	7.6	7.7
A	8-27	9.0	6.8	8.0	AM	8.1	8.2	8.3	8.4
					PM	8.1	7.8	7.6	7.5
A	8-28	8.9	7.0	7.9	AM	7.7	7.9	8.0	8.1
					PM	8.2	7.9	7.6	7.4
A	8-29	9.0	7.0	8.0	AM	8.0	8.2	8.3	8.4
					PM	8.2	7.9	7.6	7.5
A	8-30	8.8	7.6	8.3	AM	8.1	8.3	8.4	8.5
					PM	7.9	8.8	8.8	8.5
A	8-31	9.0	7.1	8.1	AM	8.2	8.3	8.4	8.4
					PM	8.3	8.0	7.8	7.6
A	9-01	9.3	~~6.~~ 7.0	8.1	AM	8.2	8.4	8.5	8.6
					PM	8.4	8.0	7.8	7.6
A	9-02	9.1	7.0	8.1	AM	8.1	8.2	8.4	8.5
					PM	8.3	8.0	7.8	7.6
A	9-03	9.1	6.7	8.0	AM	8.0	8.1	8.3	8.4
					PM	8.3	7.9	7.7	7.4
AP	9-04	9.0	6.7		AM	7.7	7.9	8.1	8.2
					PM	8.3	8.0	7.7	7.5
A	9-05	9.2	6.7	8.0	AM	7.8	8.0	8.2	8.4
					PM	8.4	8.0	7.8	7.5
A	9-06	9.2	~~6.~~ 6.7	7.9	AM	7.8	8.0	8.2	8.3
						8.4	8.1	7.8	7.6

[illegible]

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
[illegible]

PRELIMINARY DATA FOR [illegible] THRU SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	9-07	9.2	7.0	8.1	AM	7.8	8.0	8.3	8.3
					PM	8.4	7.9	7.7	7.5
A	9-08	9.2	7.2	8.2	AM	7.9	8.1	8.2	8.3
					PM	8.5	8.0	7.9	7.9
A	9-09	9.2	6.9	8.0	AM	7.9	8.3	8.1	8.2
					PM	8.5	8.2	8.0	7.6
A	9-10	8.8	6.8	7.8	AM	7.5	7.6	7.8	7.9
					PM	8.5	8.3	7.8	7.4
A	9-11	9.1	7.1	8.0	AM	7.5	7.7	7.9	8.0
					PM	8.2	8.2	8.0	7.9
A	9-12	9.5	7.1	8.3	AM	8.0	8.2	8.4	8.5
					PM	8.3	8.4	8.1	7.9
A	9-13	9.6	7.6	8.6	AM	8.2	8.4	8.6	8.7
					PM	8.1	8.8	8.6	8.4
A	9-14	9.7	7.3	8.5	AM	8.4	8.5	8.7	8.8
					PM	8.0	8.6	8.3	8.1
A	9-15	9.8	7.2	8.5	AM	8.5	8.6	8.8	8.9
					PM	8.1	8.7	8.4	8.1
A	9-16	9.8	7.0	8.4	AM	8.3	8.5	8.6	8.8
					PM	8.0	8.6	8.3	8.0
A	9-17	9.7	7.0	8.4	AM	8.2	8.3	8.5	8.7
					PM	8.0	8.7	8.3	8.0
A	9-18	9.6	7.0	8.3	AM	8.1	8.2	8.4	8.6
					PM	8.0	8.7	8.4	8.1
A	9-19	9.6	7.1	8.3	AM	8.0	8.2	8.3	8.5
					PM	8.0	8.7	8.4	7.7
A	9-20	9.4	7.8	8.6*	AM	7.8	7.0	8.0	8.1
					PM	8.0	fm 9.0		
PERIOD		9.8	5.0						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
B - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

VA

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	9-20	8.9	7.2	8.3	AM		fm 9.0		
					PM		8.9	8.7	8.5
A	9-21	9.5	7.0	8.2	AM	7.9	8.1	8.2	8.3
					PM	9.0	8.8	8.5	8.4
A	9-22	9.6	7.0	8.2	AM	7.5	7.7	7.8	8.0
					PM	9.2	8.7	8.8	8.5
A	9-23	9.7	6.8	8.3	AM	7.8	8.0	8.2	8.3
					PM	9.1	9.1	8.8	8.4
A	9-24	9.7	~~7.1~~ 7.7	~~8.3~~	AM	7.7	7.9	8.1	8.2
					PM	9.3	9.3	8.8	8.6
A	9-25	9.6	6.7	~~8.0~~	AM	7.5	7.6	7.7	7.9
					PM	9.2	8.8	8.5	8.3
A	9-26	9.2	7.6	8.3*	AM	7.6	7.8	7.8	7.9
					PM	9.2	9.0	8.8	8.5
PERIOD		9.7	6.7						

NOTE - SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

VA

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	9-28	9.7	6.9	8.2	AM	7.8	7.9	8.0	8.1
					PM	9.3	9.0	8.7	8.4
A	9-29	9.6	6.9	8.3	AM	7.8	8.0	8.1	8.2
					PM	9.2	9.0	8.6	8.3
A	9-30	9.7	7.0	8.3	AM	7.9	8.0	8.2	8.3
					PM	9.3	9.0	8.7	8.3
PERIOD		9.7	6.9						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SP
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIO
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	10-01	9.7	7.0	8.3	AM	7.8	8.0	8.1	8.2
					PM	9.3	9.1	8.8	8.3
A	10-02	9.8	7.1	8.4	AM	7.8	8.0	8.1	8.2
					PM	9.5	9.2	8.9	8.8
A	10-03	9.7	7.2	8.3	AM	7.7	7.8	8.0	8.1
					PM	9.4	9.2	8.9	8.5
A	10-04	9.9	7.3	8.6	AM	8.1	8.2	8.4	8.5
					PM	9.6	9.3	9.2	8.6
A	10-05	10.1	7.3	8.6	AM	8.1	8.2	8.4	8.5
					PM	9.8	9.5	9.2	8.6
A	10-06	10.1	7.1	8.6	AM	8.1	8.2	8.4	8.5
					PM	9.8	9.5	9.1	8.6
A	10-07	10.0	7.0	8.4	AM	8.0	8.1	8.2	8.3
					PM	9.8	9.4	9.1	8.5
A	10-08	10.1	7.0	8.4	AM	7.9	8.0	8.2	8.3
					PM	9.8	9.6	9.2	8.6
A	10-09	10.1	7.3	8.5	AM	7.8	7.9	8.0	8.2
					PM	9.9	9.7	9.3	8.7
A	10-10	10.1	7.3	8.6	AM	8.1	8.2	8.3	8.4
					PM	9.8	9.5	9.2	8.5
A	10-11	9.9	7.2	8.6	AM	8.0	8.2	8.3	8.4
					PM	9.6	9.4	9.2	9.0
A	10-12	10.1	7.2	8.6	AM	8.0	8.1	8.2	8.4
					PM	9.9	9.6	9.3	8.8
A	10-13	9.8	7.2	8.4	AM	7.9	8.0	8.2	8.3
					PM	9.6	9.4	9.1	8.6
A	10-14	9.9	7.7	8.6	AM	7.9	8.0	8.1	8.2
					PM	9.7	9.6	9.4	9.3
A	10-15	9.7	7.1	8.3	AM	7.9	7.9	8.0	8.1
					PM	9.6	9.4	9.0	8.6
A	10-16	9.5	7.2	8.1	AM	7.5	7.6	7.7	7.7
					PM	9.3	9.1	8.8	8.3
A	10-17	9.6	8.0	8.6*	AM	8.0	8.1	8.2	8.2
					PM				
PERIOD		10.1	7.0						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SP
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVER
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09305007
RICEANCE CREEK BELOW RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	10-17	10.2	7.7	8.6	AM				
					PM	10.0	9.8	9.5	9.2
A	10-18	9.6	7.5	8.4	AM	8.0	8.0	8.1	8.1
					PM	9.5	9.4	9.3	8.9
A	10-19	9.6	7.4	8.3	AM	7.9	8.0	8.0	8.0
					PM	9.5	9.3	9.1	8.8
A	10-20	9.3	7.8	8.7	AM	7.8	7.9	7.9	8.0
					PM	9.2	9.0	8.7	8.8
A	10-21	10.1	8.6	9.2	AM	9.0	8.9	8.9	8.9
					PM	10.0	9.9	9.8	9.5
A	10-22	10.4	8.4	9.4	AM	9.2	9.3	9.4	9.4
					PM	10.2	10.0	9.7	9.3
A	10-23	10.2	8.1	9.1	AM	9.0	9.1	9.2	9.2
					PM	9.9	9.6	9.2	8.9
A	10-24	10.2	8.2	9.2	AM	8.8	8.9	9.0	9.1
					PM	10.1	9.8	9.3	8.9
A	10-25	10.1	8.0	9.0	AM	9.0	9.1	9.2	9.3
					PM	9.7	9.4	9.0	8.7
A	10-26	9.9	8.0	8.9	AM	8.7	8.8	8.9	8.9
					PM	9.6	9.5	9.0	8.7
A	10-27	10.3	8.3	9.2	AM	8.8	8.9	9.0	9.1
					PM	10.0	9.7	9.3	9.0
A	10-28	10.5	8.4	9.4	AM	9.1	9.3	9.3	9.4
					PM	10.2	10.0	9.8	9.5
A	10-29	10.3	8.8	9.4	AM	8.8	8.8	8.9	8.9
					PM	10.0	10.0	10.0	9.8
A	10-30	10.3	9.0	9.7	AM	9.5	9.5	9.6	9.7
					PM	10.2	10.1	9.9	9.7
A	10-31	10.8	9.1	9.9	AM	9.7	9.8	9.9	10.0
					PM	10.5	10.2	9.9	9.6
A	11-01	10.9	9.0	10.0	AM	9.9	10.0	10.1	10.2
					PM	10.6	10.3	10.1	9.9
A	11-02	10.7	8.9	9.8	AM	9.6	9.7	9.8	9.8
					PM	10.4	10.1	9.9	9.6
A	11-03	10.5	8.8	9.7	AM	9.6	9.8	9.9	10.0
					PM	10.4	10.1	9.9	9.6
A	11-04	10.2	8.6	9.4	AM	9.2	9.2	9.3	9.3
					PM	10.2	10.0	9.8	9.4
A	11-05	10.4	8.6	9.4	AM	9.1	9.2	9.3	9.4
					PM	10.2	9.9	9.6	9.3
A	11-06	10.4	8.5	9.5	AM	9.3	9.4	9.5	9.6
					PM	10.3	9.8	9.7	9.4
A	11-07	10.0	8.5	9.2	AM	9.0	9.1	9.1	9.1
					PM	9.8	9.6	9.3	9.3
A	11-08	10.0	8.6	9.2		9.0	9.1	9.1	9.2

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4
					PM	9.8	9.9	9.8	9.6
A	11-09	10.3	8.6	9.3	AM	9.0	9.0	9.1	9.1
					PM	10.1	10.0	9.9	9.6
A	11-10	10.5	8.7	9.5	AM	9.0	9.1	9.2	9.3
					PM	10.4	10.1	10.0	9.7
A	11-11	10.5	9.0	9.6	AM	9.2	9.3	9.4	9.4
					PM	10.4	10.2	10.1	9.8
A	11-12	10.8	9.1	9.9	AM	9.6	9.7	9.8	9.8
					PM	10.6	10.3	10.0	9.6
A	11-13	10.8	9.0	9.8	AM	9.6	9.7	9.8	9.9
					PM	10.6	10.3	9.9	9.5
A	11-14	10.8	~~2.0~~ 9.5	9.7*	AM	9.6	9.7	9.8	9.9
					PM	10.7	10.3	9.9	9.5
	PERIOD	10.9	2.9						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SI
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVER
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPART
PRIMARY

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR END

DATE	MAX	MIN	MEAN
12-14	8.1	7.9	8.0*
12-15	8.0	7.7	7.9
12-16	8.0	7.8	7.9
12-17	7.9	7.9	7.9
12-18	8.0	7.9	7.9
12-19	8.0	7.9	7.9
12-20	8.0	7.9	7.9
12-21	8.0	7.9	7.9
12-22	8.0	7.9	7.9
12-23	8.0	7.9	7.9
12-24	8.0	7.9	7.9
12-25	8.1	7.9	8.0
12-26	8.0	7.8	7.9
12-27	8.0	7.8	7.9
12-28	8.0	7.9	7.9
12-29	8.0	7.9	7.9
12-30	8.0	7.9	7.9
12-31	7.9	7.8	7.9
1-01	7.8	7.8	7.8
1-02	7.8	7.7	7.7
1-03	7.8	7.7	7.8
1-04	7.9	7.8	7.9
1-05	8.0	7.9	8.0

INTAKE FROZEN, MEASURING STANDING WATER

UNITED STATES DEPART
PRIMARY

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR END

DATE	MAX	MIN	MEAN
1-06	8.0	8.0	8.0
1-07	8.0	7.9	8.0
1-08	8.0	7.9	7.9
1-09	7.9	7.8	7.9
1-10	7.9	7.8	7.8
1-11	7.8	7.7	7.8
1-12	7.8	7.7	7.7*
PERIOD		7.7	

INTAKE FROZEN
MEASURING STANDING WATER

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWI
A - SUCCESSIVE RECORDED PUNCH READ
R - ONE OR MORE INPUT VALUE IS OUTS
* - DAILY SUMMARY IS FOR AN INCOMP
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPAR
PRIMAR

09306007
PICEANCE CREEK BELOW RIO BLANCO,
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR E

S	DATE	MAX	MIN	MEAN	
	4-02	8.4	8.3	8.3*	AM
					PM
	4-03	8.4	8.3	8.3	AM
					PM
	4-04	8.4	8.2	8.3	AM
					PM
	4-05	8.4	8.2	8.3	AM
					PM
	4-06	8.4	8.2	8.3	AM
					PM
	4-07	8.4	8.2	8.3	AM
					PM
	4-08	8.2	8.1	8.2	AM
					PM
	4-09	8.2	8.1	8.2	AM
					PM
A	4-10	8.2	~~.9~~ 8.1	~~7.7~~ 8.1	AM
					PM
	4-11	8.2	8.1	8.1	AM
					PM
A	4-12	8.3	8.1	8.2	AM
					PM
A	4-13	8.6	8.2	8.3	AM
					PM
	4-14	8.4	8.1	8.3	AM
					PM
	4-15	8.3	8.0	8.2	AM
					PM
	4-16	~~[illegible]~~	~~[illegible]~~	~~8.1~~	AM
					PM
A	4-17	~~[illegible]~~	~~1.1~~ 8.0	~~[illegible]~~	AM
					PM
	4-18	8.2	8.1	8.2	AM
					PM
	4-19	8.2	8.1	8.2	AM
					PM
	4-20	8.3	8.1	8.2	AM
					PM
	4-21	8.3	8.1 8.1	8.2 8.1	AM
					PM
A	4-22	8.2	~~1.1~~	~~8.1~~	AM
					PM
	4-23	8.2	8.0	8.1	AM
					PM
A	4-24	8.2	~~1.1~~ 8.0	~~1.2~~ 8.1	AM

UNITED STAT

09306007
PICEANCE CREEK BELOW RIO
PH (UNITS)

PROVISIONAL DATA FOR WATE

S	DATE	MAX	MIN	MEAN
	4-25	8.2	8.0	8.1
	4-26	8.2	8.0	8.1
	4-27	8.2	8.0	8.1
	4-28	8.1	8.0	8.1
	4-29	8.2	8.0	8.1
	4-30	8.1	8.0	8.1
	5-01	8.1	8.0	8.
	PERIOD	8.6	.9	

NOTE.- SYMBOLS USED ABOVE HAVE
A - SUCCESSIVE RECORDED
R - ONE OR MORE INPUT V
* - DAILY SUMMARY IS FO
% - UNIT VALUES RECORD

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOG
PRIMARY COMPUTATIONS OF QUALITY OF W
DATA PROCESSI

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	5-01	8.4	8.2	8.2	AM				
					PM	8.3	8.3	8.3	8.3
	5-02	8.3	8.3	8.3	AM	8.3	8.3	8.3	8.3
					PM	8.3	8.3	8.3	8.3
	5-03	8.3	8.3	8.3	AM	8.3	8.3	8.3	8.3
					PM	8.3	8.3	8.3	8.3
	5-04	8.4	8.2	8.3	AM	8.3	8.3	8.3	8.3
					PM	8.2	8.2	8.2	8.2
	5-05	8.3	8.2	8.3	AM	8.3	8.3	8.3	8.3
					PM	8.3	8.3	8.2	8.2
	5-06	8.4	8.3	8.3*	AM	8.3	8.3	8.3	8.3
					PM	8.3	8.3	8.3	8.3
PERIOD		8.4	8.2						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CON R
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGI
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSE

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	5-07	~~8.4~~	~~8.1~~	~~8.1~~	AM				
			8.3	8.3	PM		1.1	8.4	8.3
A	5-08	8.4	~~1.3~~	~~8.4~~	AM	~~1.3~~	~~1.3~~	~~1.3~~	~~1.3~~
					PM	8.3	8.3	8.3	8.3
A	5-09	~~8.5~~	1.1	~~4.5~~	AM	8.4	8.4	8.3	8.4
					PM	8.3	1.1	1.3	1.3
A	5-10	~~8.2~~	1.1	~~1.6~~	AM	1.3	1.3	1.3	1.3
					PM	1.3	1.3	1.3	8.2
A	5-11		~~1.1~~		AM	1.1	1.1	1.1	1.1
					PM	1.3	1.3	1.3	1.3
	5-12	1.3	1.3	1.3	AM	1.3	1.3	1.3	1.3
			BLOCKED INTAKE		PM	1.3	1.3	1.3	1.3
	5-13	1.3	1.3	1.3	AM	1.3	1.3	1.3	1.3
					PM	1.3	1.3	1.3	1.3
	5-14	1.3	1.3	~~1.3~~	AM	1.3	1.3	1.3	1.3
					PM	1.3	1.3	1.3	1.3
AR	5-15	~~8.4~~			AM	1.3	1.3	1.3	1.3
					PM	8.3	8.3	8.3	8.3
AR	5-16	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	AM				~~1.3~~
			8.2	8.3	PM	8.3	8.3	8.3	8.3
A	5-17	8.4	~~[illegible]~~	~~[illegible]~~	AM	8.4	8.4	8.4	8.4
					PM	8.3	8.3	8.3	8.2
	5-18	8.4	8.2	8.3	AM	8.3	8.4	8.4	8.4
					PM	8.3	8.3	8.3	8.2
	5-19	8.4	8.1	8.3	AM	8.3	8.4	8.4	8.4
			~~[illegible]~~	~~[illegible]~~	PM	8.3	8.3	8.2	8.2
A	5-20	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	AM	8.2	8.2	8.3	8.3
					PM	8.2	8.1	8.1	8.0
	5-21	~~1.3~~	~~1.3~~	~~1.3~~	AM	1.3	1.3	1.3	1.3
			BLOCKED INTAKE		PM	1.3	1.3	1.3	1.3
A	5-22	~~8.4~~	~~1.3~~	~~3.8~~	AM	1.3	1.3	1.3	1.3
					PM	1.3	1.3	1.3	1.3
	5-23	~~8.5~~	8.3	8.4	AM	8.4	8.4	8.4	8.4
					PM	8.3	8.3	8.3	8.3
AR	5-24		~~[illegible]~~		AM	8.4	8.4	8.4	8.4
					PM				
R	5-25				AM				
					PM				
AR	5-26				AM				
					PM				
R	5-27				AM				
					PM				
R	5-28				AM				
					PM				
AR	5-29				AM				

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOG
PRIMARY COMPUTATIONS OF QUALITY OF W.
DATA PROCESSI

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
					PM				
R	5-30				AM				
					PM				
R	5-31				* AM				
					PM				
PERIOD			1.1						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVER
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	6-01	8.4	8.3	8.3*	AM				
					PM		8.3	8.3	8.3
	6-02	8.5	8.3	8.4	AM	8.4	8.5	8.5	8.5
					PM	8.4	8.4	8.3	8.3
	6-03	8.5	8.3	8.4	AM	8.4	8.4	8.5	8.5
					PM	8.4	8.4	8.4	8.3
	6-04	8.5	8.3	8.4	AM	8.4	8.4	8.4	8.5
					PM	8.4	8.3	8.3	8.3
	6-05	8.5	8.3	8.4	AM	8.4	8.4	8.5	8.5
					PM	8.4	8.3	8.3	8.3
	6-06	8.5	8.4	8.4	AM	8.4	8.4	8.4	8.4
					PM	8.4	8.4	8.4	8.4
	6-07	8.5	8.4	8.4	AM	8.4	8.4	8.4	8.4
					PM	8.4	8.4	8.4	8.4
	6-08	~~8.5~~	~~8.4~~	~~8.5~~	AM	8.5	8.5	8.5	8.5
					PM	8.5	8.5	8.4	8.4
	6-09	~~8.4~~	~~8.2~~	~~8.3~~	AM	8.4	8.4	8.4	8.4
					PM	8.3	8.3	8.2	8.2
	6-10	~~8.3~~	~~8.0~~	~~8.2~~	AM	8.3	8.3	8.3	8.3
					PM	8.2	8.1	8.1	8.1
A	6-11	8.3	8.2	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.2	8.2
A	6-12	~~4.3~~	~~.1~~	~~2.4~~	AM	4.3	4.3	4.3	4.3
		PROBE MAL.			PM	4.2	.1	.1	.1
	6-13	~~.1~~	~~.1~~	~~.1~~	AM	.1	.1	.1	.1
					PM	.1	.1	.1	.1
A	6-14	~~8.3~~		~~3.5~~	AM	.1	.1	.1	.1
					PM	.1		8.3	8.3
	6-15	8.3	8.2	8.2	AM	8.3	8.2	8.2	8.2
					PM	8.2	8.2	8.2	8.2
	6-16	8.2	8.2	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.2	8.2	8.2	8.2
	6-17	8.2	8.2	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.2	8.2	8.2	8.2
	6-18	8.2	8.2	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.2	8.2	8.2	8.2
A	6-19	~~8.2~~	~~1.1~~	~~4.4~~	AM	8.2	8.2	8.2	8.2
					PM	1.1	1.1	1.1	1.1
A	6-20	~~8.4~~	~~1.1~~	~~5.1~~	AM	1.1	1.1	1.1	1.1
		PROBE MALF.			PM	8.3	8.3	8.4	8.4
A	6-21	~~8.5~~	~~7.5~~	~~8.2~~	AM	8.4	8.4	8.4	8.4
					PM	8.0	8.1	8.2	8.2
A	6-22	~~8.6~~	~~7.3~~	~~8.0~~	AM	8.5	8.5	7.7	7.6
						8.0	8.1	8.2	8.3
						8.5	8.5	7.6	7.9

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
					PM	8.0	8.2	8.2	8.3
A	6-24	~~8.5~~	~~7.3~~	~~8.0~~	AM	8.5	7.9	7.7	7.5
					PM	8.0	8.1	8.2	8.3
A	6-25	~~8.5~~	~~7.2~~	~~8.0~~	AM	8.1	7.8	7.8	7.7
					PM	8.0	8.2	8.3	8.4
A	6-26	~~8.4~~	~~7.2~~	~~7.6~~*	AM	8.4	8.4	8.4	7.4
					PM				
PERIOD		8.6							

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SP
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIO
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGI
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSE

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

probe malfunction - comp bad

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	6-26	8.5	7.5	8.1	AM				
					PM	8.0	8.2	8.2	8.2
A	6-27	8.5	7.2	7.9	AM	8.5	7.8	7.7	7.6
					PM	7.9	7.9	8.0	8.1
A	6-28	8.0	7.2	7.7	AM	7.9	7.7	7.6	7.6
					PM	8.0	8.0	7.9	7.9
A	6-29	8.6	7.2	7.9	AM	7.6	7.5	7.4	7.3
					PM	8.0	8.2	8.2	8.3
	6-30	8.6	8.5	8.5	AM	8.5	8.5	8.5	8.5
					PM	8.6	8.5	8.6	8.6
	7-01	8.6	8.4	8.5	AM	8.5	8.5	8.5	8.5
					PM	8.6	8.6	8.6	8.6
A	7-02	8.5	8.2	8.3	AM	8.4	8.4	8.4	8.4
					PM	8.3	8.3	8.3	8.4
	7-03	8.4	8.2	8.3	AM	8.2	8.2	8.2	8.2
					PM	8.4	8.4	8.4	8.4
	7-04	8.4	8.2	8.3	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.4	8.4	8.4
A	7-05	8.4	7.[illegible]	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.4	8.4	8.4	8.4
	7-06	8.2	8.0	8.1	AM	8.0	8.0	8.0	8.0
					PM	8.2	8.2	8.2	8.2
	7-07	8.2	[illegible]	8.1	AM	8.0	8.0	8.0	8.0
					PM	8.2	8.2	8.2	8.2
	7-08	8.3	8.0	8.1	AM	8.0	8.0	8.0	8.0
					PM	8.3	8.3	8.3	8.3
A	7-09	8.2	7.3	8.0	AM	8.0	8.0	8.0	8.0
					PM	8.2	8.2	8.2	7.3
A	7-10	8.0	6.6	7.3	AM	8.0	7.0	6.8	6.7
					PM	7.3	7.4	7.5	7.6
A	7-11	8.0	6.9	7.5	AM	7.9	7.3	7.2	7.1
					PM	7.4	7.5	7.6	7.7
A	7-12	8.0	6.9	7.5	AM	7.4	7.3	7.2	7.1
					PM	7.5	7.6	7.6	7.6
A	7-13	8.0	7.0	7.5	AM	7.7	7.4	7.3	7.3
					PM	7.4	7.5	7.5	7.6
A	7-14	8.0	6.9	7.5	AM	8.0	7.4	7.3	7.2
					PM	7.4	7.4	7.5	7.6
A	7-15	8.0	6.8	7.4	AM	8.0	8.0	7.0	7.0
					PM	7.5	7.3	7.3	7.4
A	7-16	7.9	7.0	7.4	AM	7.9	7.4	7.3	7.2
					PM	7.5	7.6	7.5	7.5
A	7-17	7.4	6.9	7.[illegible]	AM	7.2	7.1	7.0	7.0
					PM	7.4	7.4	7.4	

UNITED STATI

09306007
PICEANCE CREEK BELOW RIO I
PH (UNITS)

PROVISIONAL DATA FOR WATEI

S	DATE	MAX	MIN	MEAN	
	7-17	7.6	7.4	7.2	AM
A	7-18	7.5	6.9	7.2	PM
A	7-19	8.0	6.6	7.3	
A	7-20	7.5	6.9	7.1	AM
A	7-21	7.7	6.8	7.2	AM
A	7-22	7.6	6.8	7.2	PM
A	7-23	7.5	6.8	7.2	
A	7-24	7.9	6.8	7.3	AM
A	7-25	8.0	7.0	7.6	PM
A	7-26	8.0	7.0	7.6	PM
A	7-27	8.1	7.0	7.9	
	7-28	8.1	8.0	8.0	AM
A	7-29	8.1	6.9	7.6	PM
A	7-30	8.1	6.7	7.5	
A	7-31	8.1	7.0	7.6	AM
A	8-01	8.1	7.3	7.8	AM
A	8-02	8.2	7.1	7.7	PM
A	8-03	8.2	7.2	7.8	
A	8-04	8.2	7.1	7.8	AM
A	8-05	8.3	7.3	8.0	PM
A	8-06	8.3	7.4	8.0	PM
A	8-07	8.3	7.5	8.2	
A	8-08	8.3	7.4	8.1	AM

probe comp 8/1

UNITED STATES DEP
PRIM

09306007
PICEANCE CREEK BELOW RIO BLANCO
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR

S	DATE	MAX	MIN'	MEAN	
-.1	8-09	8.4 ~~8.5~~	~~8.3~~ 8.2	~~8.4~~ 8.3	PM AM
-.1	8-10	8.4 ~~8.5~~	~~8.5~~ 8.4	~~8.5~~ 8.4	PM AM PM
-.2	8-11	8.4 ~~8.6~~	~~8.5~~ 8.3	~~8.6~~ 8.4	AM PM
-.2	8-12	8.4 ~~8.6~~	~~8.6~~ 8.4	~~8.6~~ 8.4	AM PM
-.2	8-13	8.4 ~~8.6~~	~~8.6~~ 8.4	~~8.6~~ 8.4	AM PM
-.3	8-14	8.4 ~~8.7~~	~~8.6~~ 8.3	~~8.6~~ 8.3	AM PM
-.3	8-15	8.4 ~~8.7~~	~~8.6~~ 8.3	~~8.7~~ 8.4	AM PM
-.3	8-16	8.4 ~~8.7~~	~~8.6~~ 8.3	~~8.6~~ 8.3	AM PM
PERIOD		8.7	6.6		

NOTE.- SYMBOLS USED ABOVE HAVE THE FOL
A - SUCCESSIVE RECORDED PUNCH
R - ONE OR MORE INPUT VALUE IS
* - DAILY SUMMARY IS FOR AN IN
% - UNIT VALUES RECORD WRITTEN

UNITED STATES [illegible]
[illegible] OF [illegible]

[illegible]
[illegible] (DETAIL) IN C. C.
BY (DETAIL)

PROVISIONAL DATA FOR [illegible] ENDING SEPT. 30, 1979

S	DATE	MAX	[illegible]	[illegible]		1	2	3	4	VAL
	8-16	8.4	8.4	8.5	A[illegible]					
					D[illegible]		8.4	8.4	8.4	
	8-17	8.4	8.4	8.4	A[illegible]	8.4	8.4	8.4	8.4	
					D[illegible]	8.4	8.4	8.4	8.4	
	8-18	8.4	8.4	8.4	A[illegible]	8.4	8.4	8.4	8.4	
					D[illegible]	8.4	8.4	8.4	8.4	
	8-19	8.5	8.4	8.4	A[illegible]	8.4	8.4	8.4	8.4	
					D[illegible]	8.5	8.5	8.5	8.5	
	8-20	8.5	8.4	8.4	A[illegible]	8.4	8.4	8.4	8.4	
					D[illegible]	8.5	8.5	8.5	8.5	
	8-21	8.5	8.4	8.5	A[illegible]	8.4	8.4	8.4	8.4	
					D[illegible]	8.5	8.5	8.5	8.5	
	8-22	8.5	8.4	8.4	A[illegible]	8.4	8.4	8.4	8.4	
					D[illegible]	8.5	8.5	8.5	8.5	
	8-23	8.5	8.4	8.4	A[illegible]	8.4	8.4	8.4	8.4	
					D[illegible]	8.5	8.5	8.5	8.5	
	8-24	8.5	8.4	8.4	A[illegible]	8.4	8.4	8.4	8.4	
					D[illegible]	8.5	8.5	8.5	8.4	
	8-25	8.5	8.4	8.4	A[illegible]	8.4	8.4	8.4	8.4	
					D[illegible]	8.5	8.5	8.5	8.5	
	8-26	8.5	8.4	8.5	A[illegible]	8.4	8.4	8.4	8.4	
					D[illegible]	8.5	8.5	8.5	8.5	
	8-27	8.5	8.4	8.5	A[illegible]	8.4	8.4	8.5	8.5	
					D[illegible]	8.5	8.5	8.5	8.5	
	8-28	8.5	8.4	8.5	A[illegible]	8.4	8.4	8.4	8.4	
					D[illegible]	8.5	8.5	8.5	8.5	
	8-29	8.5	8.4	8.5	A[illegible]	8.4	8.4	8.5	8.5	
					D[illegible]	8.5	8.5	8.5	8.5	
A	8-30	8.5	4.2	8.1	A[illegible]	8.4	8.5	8.5	8.5	
					D[illegible]	4.2	8.5	8.5	8.5	
	8-31	8.5	8.4	8.5	A[illegible]	8.5	8.5	8.5	8.5	
					D[illegible]	8.5	8.5	8.5	8.5	
A	9-01	8.5	8.4	8.5	A[illegible]	8.5	8.5	8.5	8.5	
					D[illegible]	8.5	8.5	8.5	8.5	
	9-02	8.5	8.4	8.5	A[illegible]	8.4	8.4	8.5	8.5	
					D[illegible]	8.5	8.5	8.5	8.5	
A	9-03	8.5	8.4	8.5	A[illegible]	8.4	8.4	8.4	8.4	
					D[illegible]	8.5	8.5	8.5		
A	9-04	8.5	8.4	8.4	A[illegible]	8.4	8.4	8.4	8.4	
					D[illegible]	8.5	8.4	8.4	8.4	
	9-05	8.5	8.4	8.4	A[illegible]	8.4	8.4	8.4	8.4	
					D[illegible]	8.5	8.5	8.5	8.4	
A	9-06	8.5	8.4	8.4	A[illegible]	8.4	8.4	8.4	8.4	
						8.5	8.5	8.5	8.4	

fm 8.4.

fm 8.5

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WATER
DATA PROCESSED

9305017
RICEANCE CREEK BELOW RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	9-07	8.5	8.4	8.4	AM	8.4	8.4	8.4	8.4
					PM	8.5	8.5	8.5	8.4
	9-08	8.5	8.4	8.4	AM	8.4	8.4	8.4	8.4
					PM	8.5	8.5	8.5	8.4
	9-09	8.5	8.4	8.4	AM	8.4	8.4	8.4	8.4
					PM	8.5	8.5	8.5	8.4
A	9-10	8.5	8.4	8.4	AM	8.4	8.4	8.4	8.4
					PM		8.5	8.4	8.4
	9-11	8.5	8.4	8.4	AM	8.4	8.4	8.4	8.4
					PM	8.5	8.5	8.5	8.5
	9-12	8.5	8.4	8.5	AM	8.4	8.4	8.4	8.5
					PM	8.5	8.5	8.5	8.5
	9-13	8.5	8.4	8.5	AM	8.4	8.5	8.5	8.5
					PM	8.5	8.5	8.5	8.5
	9-14	8.5	8.4	8.5	AM	8.4	8.4	8.5	8.5
					PM	8.5	8.5	8.5	8.5
	9-15	8.5	8.4	8.5	AM	8.5	8.5	8.5	8.5
					PM	8.5	8.5	8.5	8.5
	9-16	8.5	8.4	8.5	AM	8.4	8.5	8.5	8.5
					PM	8.5	8.5	8.5	8.5
	9-17	8.5	8.4	8.5	AM	8.4	8.4	8.5	8.5
					PM	8.5	8.5	8.5	8.5
	9-18	8.5	8.4	8.5	AM	8.4	8.4	8.4	8.5
					PM	8.5	8.5	8.5	8.5
	9-19	8.5	8.4	8.5	AM	8.4	8.4	8.4	8.4
					PM	8.5	8.5	8.5	8.5
	9-20	8.5	8.4	8.5*	AM	8.4	8.4	8.4	8.4
					PM	8.5 -	fm 8.4		
PERIOD			4.2						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S-
B - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
PH (UNITS)

PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

VA

S	DATE	MAX	MIN	MEAN		1	2	3	4
	9-20	8.4	8.3	8.4	AM		Fm 8.4		
					PM		8.4	8.4	8.4
	9-21	8.4	8.2	8.3	AM	8.3	8.3	8.3	8.3
					PM	8.4	8.4	8.4	8.4
	9-22	8.4	8.2	8.3	AM	8.2	8.2	8.3	8.3
					PM	8.4	8.4	8.4	8.4
	9-23	8.4	8.3	8.3	AM	8.3	8.3	8.3	8.3
					PM	8.4	8.4	8.4	8.4
	9-24	8.4	~~8.1~~ 8.3	8.3	AM	8.3	8.3	8.3	8.3
					PM	8.4	8.4	8.3	8.3
	9-25	8.3	~~8.1~~ 8.2	8.2	AM	~~8.1~~	~~8.1~~	~~8.1~~	~~8.1~~
					PM	8.3	8.2	8.2	8.2
	9-26	8.4	8.2	8.3*	AM	8.2	8.2	8.3	8.3
					PM	8.4	8.4	8.4	8.4
	PERIOD	8.4	8.1						

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
PH (UNITS)

PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

VA

S	DATE	MAX	MIN	MEAN		1	2	3	4
	9-28	8.4	8.2	8.3	AM	8.2	8.3	8.3	8.3
					PM	8.4	8.4	8.4	8.4
	9-29	8.4	8.2	8.3	AM	8.2	8.2	8.3	8.3
					PM	8.4	8.4	8.4	8.4
	9-30	8.4	8.2	8.3	AM	8.2	8.2	8.2	8.3
					PM	8.4	8.4	8.4	8.4
	PERIOD	8.4	8.2						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SP
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIO
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

 SHIFT PRORATED FROM 0.00 ON 8-1

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED.

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4
	10-01	8.4	8.2	8.3	AM	8.2	8.2	8.2	8.2
					PM	8.4	8.4	8.4	8.4
	10-02	8.4	8.2	8.3	AM	8.2	8.2	8.2	8.2
					PM	8.4	8.4	8.4	8.4
	10-03	8.3	8.2	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.3	8.3
	10-04	8.4	8.2	8.3	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.4	8.4	8.3
	10-05	8.4	8.1	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.4	8.3
	10-06	8.4	8.1	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.4	8.3
	10-07	8.4	8.1	8.2	AM	8.1	8.2	8.2	8.2
					PM	8.3	8.3	8.4	8.3
	10-08	8.3	8.1	8.2	AM	8.1	8.1	8.2	8.2
					PM	8.3	8.3	8.3	8.3
	10-09	8.3	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.3	8.3
	10-10	8.3	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.3	8.3
	10-11	8.4	8.1	8.2	AM	8.1	8.1	8.1	8.2
					PM	8.3	8.3	8.3	8.4
	10-12	8.4	8.1	8.2	AM	8.1	8.1	8.1	8.2
					PM	8.3	8.3	8.4	8.3
	10-13	8.3	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.3	8.3
	10-14	8.3	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.3	8.3
	10-15	8.3	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.3	8.3
	10-16	8.3	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.3	8.3
	10-17	8.2	8.1	8.2*	AM	8.1	8.1	8.1	8.1
					PM				
	PERIOD	8.4	8.1						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SI
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIO
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

 SHIFT PRORATED FROM 0.00 ON 8-

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY
PRELIMINARY COMPUTATIONS OF QUALITY OF WATER DATA PROCESSED

09366007
PICEANCE CREEK BELOW RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4
	10-17	8	8.1	8.2	AM				
					PM	8.3	8.3	8.3	8.3
	10-18	8.3	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.3	8.3
	10-19	8.3	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.3	8.3
	10-20	8.3	8.1	8.2	AM	8	8.1	8.1	8.1
					PM	8.3	8.3	8.3	8.3
	10-21	8.4	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.4	8.4	8.4
	10-22	8.4	8.1	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.4	8.4	8.4
	10-23	8.4	8.1	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.4	8.4
	10-24	8.4	8.1	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.4	8.4	8.3
	10-25	8.3	8.1	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.3	8.3
	10-26	8.4	8.1	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.4	8.3
	10-27	8.3	8.1	8.2	AM	8.1	8.1	8.1	8.2
					PM	8.3	8.3	8.3	8.3
	10-28	8.4	8.1	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.4	8.4	8.4
	10-29	8.3	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.3	8.3
	10-30	8.3	8.2	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.3	8.3
	10-31	8.3	8.2	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.3	8.3
	11-01	8.3	8.2	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.3	8.3
	11-02	8.3	8.2	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.3	8.3
	11-03	8.3	8.1	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.3	8.3
	11-04	8.3	8.1	8.2	AM	8.2	8.1	8.2	8.2
					PM	8.3	8.3	8.3	8.3
	11-05	8.3	8.1	8.2	AM	8.1	8.1	8.2	8.2
					PM	8.3	8.3	8.3	8.3
	11-06	8.3	8.1	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.3	8.3
	11-07	8.3	8.1	.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.3	8.3
	11-08	8.3	8.1	.2		8.1	8.1	8.1	8.1

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4
					PM	8.3	8.3	8.3	8.3
	11-09	8.3	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.3	8.3
	11-10	8.3	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.3	8.3
	11-11	8.3	8.1	8.2	AM	8.1	8.1	8.1	8.2
					PM	8.3	8.3	8.3	8.3
	11-12	8.3	8.2	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.3	8.3
	11-13	8.3	8.2	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.3	8.3
	11-14	8.3	8.2	8.2*	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.3	8.3
	PERIOD	8.4	8.1						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONV ST
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
& - UNIT VALUES RECORD WRITTEN

SHIFT PRORATED FROM -0.20 ON 10-

UNITED STATES DEPART
PRIMARY

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM

PROVISIONAL DATA FOR WATER YEAR END

S	DATE	MAX	MIN	MEAN
A	12-14	1080	1030	1060*
A	12-15	1130	1020	1070
A	12-16	1170	1060	1090
A	12-17	1170	1070	1110
	12-18	1080	1050	1070
A	12-19	1110	~~900~~ 1090	~~1070~~ 1100
	12-20	1110	1100	1110
A	12-21	1140	1080	1110
	12-22	1120	1100	1110
	12-23	1110	1100	1100
	12-24	1110	1100	1110
	12-25	1150	1080	1110
A	12-26	1190	1080	1140
	12-27	1180	1060	1120
	12-28	1100	1070	1090
	12-29	1120	~~890~~ 1090	~~1070~~ 1100
	12-30	1120	1080	1090
	12-31	1140	1100	1130
	1-01	1200	1130	1170
	1-02	1190	1130	1170
	1-03	1120	1060	1090
	1-04	1080	1070	1060
	1-05	1090	1070	1080

FROZEN
INTAKE

UNITED STATES DEPARTMENT
PRIMARY

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25

PROVISIONAL DATA FOR WATER YEAR ENDING

	DATE	MAX	MIN	MEAN
	1-06	1100	1090	1090
A	1-07	1130	~~398~~ 1090	~~1060~~ 1110
	1-08	720	698	708
	1-09	706	690	698
	1-10	694	~~686~~	689
	1-11	684	666	676
	1-12	670	660	689*
	PERIOD	1200	660	

FROZEN

INFAKE

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING
A - SUCCESSIVE RECORDED PUNCH READINGS
R - ONE OR MORE INPUT VALUE IS OUTSIDE
* - DAILY SUMMARY IS FOR AN INCOMPLETE
% - UNIT VALUES RECORD WRITTEN

UNITED STATES

09306007
PICEANCE CREEK BELOW RIO BL.
SPECIFIC CONDUCTANCE (MICRO

PROVISIONAL DATA FOR WATER

S	DATE	MAX	MIN	MEAN
	4-02	1070	1060	1060*
	4-03	1090	1040	1060
	4-04	1030	1040	1060
	4-05	1060	1020	1040
	4-06	1060	1010	1040
	4-07	1040	990	1020
	4-08	1030	896	971
A	4-09	874	774	843
A	4-10	774	~~272~~ 728	~~326~~ 753
	4-11	946	780	876
	4-12	996	950	973
	4-13	1030	956	982
	4-14	1010	970	989
A STAGE	4-15	976	606	827
A	4-16	~~752~~	~~305~~	~~505~~
A	4-17	~~753~~	~~16~~	~~624~~
A	4-18	796	618	704
A	4-19	814	~~392~~ 686	735
A	4-20	858	~~325~~ 600	806
	4-21	878	348	862
A	4-22	872	~~16~~ 850	~~855~~ 860
	4-23	872	836	854
A	4-24	862	~~16~~ 822	~~816~~ 840

UNITED STAT

09306007
PICEANCE CREEK BELOW RIO
SPECIFIC CONDUCTANCE (MIC

PROVISIONAL DATA FOR WATE

S	DATE	MAX	MIN	MEAN
	4-25	856	820	838
A	4-26	862	840	851
	4-27	854	844	854
	4-28	864	832	847
	4-29	856	832	844
	4-30	852	828	840
	5-01	856	846	85
PERIOD		1090	12	

NOTE.- SYMBOLS USED ABOVE HAVE
A - SUCCESSIVE RECORDED
R - ONE OR MORE INPUT V
* - DAILY SUMMARY IS FO
% - UNIT VALUES RECORD

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOG
PRIMARY COMPUTATIONS OF QUALITY OF W
DATA PROCESSI

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	5-01	846	816	840	AM				
					PM	848	840	840	836
	5-02	840	794	819	AM	838	840	840	840
					PM	814	810	802	794
	5-03	812	786	799	AM	794	794	792	786
					PM	798	800	806	808
	5-04	846	814	830	AM	814	818	820	822
					PM	836	838	838	836
	5-05	852	816	839	AM	850	850	852	852
					PM	846	842	842	838
	5-06	848	798	830*	AM	842	846	848	848
					PM	832	828	822	818
	PERIOD	852	786						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVER
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL S
PRIMARY COMPUTATIONS OF QUALITY OF WATER D
09306007 DATA PROCESSED 06-
PICEANCE CREEK BELOW RIO BLANCO. CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) PARAM

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		VALUE 1	2	3	4	5
A	5-07	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	AM					
			754	768	PM		14	772	772	77
A	5-08	794	~~[illegible]~~	~~[illegible]~~	AM	~~22~~	~~20~~	~~20~~	~~20~~	~~2~~
					PM	754	758	766	768	76
A	5-09	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	AM	778	774	780	776	78
					PM	812	~~13~~	~~18~~	~~18~~	~~1~~
A	5-10	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	AM	16	16	16	14	1
					PM	14	14	16	838	1
	5-11	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	AM	24	24	24	22	2
					PM	16	14	16	16	1
	5-12	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	AM	14	12	10	12	1
					PM	12	14	14	14	1
	5-13	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	AM	14	14	14	12	1
					PM	16	14	14	14	1
	5-14	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	AM	14	14	16	14	1
					PM	14	14	14	16	1
	5-15	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	AM	14	14	14	14	1
					PM	812	816	18	630	54
A	5-16	804 ~~[illegible]~~	~~[illegible]~~ 774	769 ~~[illegible]~~	AM	~~[illegible]~~	~~12~~	~~[illegible]~~	~~14~~	~~1~~
			712	768	PM	800	778	804	800	79
A	5-17	786	~~[illegible]~~	~~[illegible]~~	AM	730	770	~~[illegible]~~	~~14~~	~~1~~
					PM	772	784	774	776	78
A	5-18	772	680	752	AM	684	726	768	768	70
			~~[illegible]~~	762	PM	766	758	772	768	76
A	5-19	768	~~[illegible]~~ 756	~~[illegible]~~	AM	756	760	762	706	76
					PM	758	756	760	762	76
A	5-20	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	AM	~~342~~	~~338~~	~~330~~	~~335~~	~~33~~
					PM	~~362~~	~~366~~	~~364~~	~~364~~	~~36~~
	5-21	~~20~~	~~12~~	~~16~~	AM	16	14	16	14	1
					PM	16	16	16	18	2
A	5-22	~~772~~	~~12~~	~~272~~	AM	14	14	14	14	1
					PM	14	16	16	16	78
	5-23	804	738	796	AM	788	790	788	790	79
					PM	796	794	794	792	80
A	5-24	~~29200~~	~~590~~	~~17300~~	AM	804	806	806	810	80
					PM	29000	29100	29100	29200	2920
	5-25	~~29300~~	~~29100~~	~~29200~~	AM	29200	29200	29200	29200	2920
					PM	29200	29300	29300	29300	2920
	5-26	~~29700~~	~~29100~~	~~29300~~	AM	29300	29200	29200	29100	2910
					PM	29400	29500	29500	29700	2970
	5-27	~~29300~~	~~29000~~	~~29200~~	AM	29200	29200	29100	29100	2910
					PM	29300	29300	29200	29200	2920
	5-28	~~29400~~	~~29100~~	~~29200~~	AM	29100	29100	29100	29100	2910
						29400	29300	29100	29200	2920
	5-29	~~29200~~	~~29000~~	~~291~~		29200	29200	29200	29100	2910

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL S
PRIMARY COMPUTATIONS OF QUALITY OF WATER I
DATA PROCESSED 06

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) PARAI

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4	VALUI 5
					PM	29200	29000	29000	29000	2910
	5-30	~~29100~~	~~28300~~	~~29000~~	AM	28900	28900	28900	28900	2890
					PM	29000	29100	29100	29100	2910
	5-31	~~28900~~	~~28300~~	~~28900~~*	AM	28900	28900	28900	~~28900~~	2890
					PM					
	PERIOD	29700	10							

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SPEC
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSION
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
							COND OK on 5/31		
	6-01	892	880	885*	AM				
					PM		882	882	882
	6-02	906	890	894	AM	892	894	894	894
					PM	892	890	890	892
	6-03	908	898	903	AM	904	906	906	906
					PM	902	900	898	900
	6-04	912	902	908	AM	910	910	910	910
					PM	910	906	904	902
	6-05	934	914	922	AM	914	914	918	916
					PM	922	926	924	924
	6-06	944	934	938	AM	936	936	936	936
					PM	942	940	938	938
A	6-07	952	~~870~~ 934	941	AM	946	948	950	950
					PM	952	946	942	940
A	6-08	~~936~~	~~562~~	~~782~~	AM	946	946	946	950
					PM	590	624	640	688
A	6-09	~~708~~	~~452~~	~~602~~	AM	535	490	462	452
					PM	584	546	648	708
A	6-10	~~536~~	~~516~~	~~597~~	AM	556	636	642	648
					PM	516	522	530	542
A	6-11	992	~~528~~ 988	~~808~~ 900	AM	538	546	550	574
					PM	992	990	990	990
	6-12	1010	994	1000	AM	994	996	998	998
					PM	1000	1000	1000	1000
	6-13	1020	1000	1010	AM	1010	1010	1010	1010
					PM	1010	1010	1010	1000
	6-14	1020	1000	1010	AM	1000	1000	1010	1010
					PM	1020	1010	1010	1010
	6-15	1040	1010	1020	AM	1020	1020	1020	1020
					PM	1020	1020	1020	1020
	6-16	1050	1040	1050	AM	1040	1040	1040	1040
					PM	1040	1050	1050	1050
	6-17	1070	1050	1060	AM	1050	1050	1050	1050
					PM	1070	1060	1060	1060
	6-18	1090	1060	1080	AM	1070	1070	1080	1080
					PM	1070	1060	1070	1070
	6-19	1090	1080	1090	AM	1090	1090	1090	1090
					PM	1090	1090	1090	1090
	6-20	1100	1080	1090	AM	1090	1090	1090	1090
					PM	1090	1090	1100	1090
	6-21	1110	1080	1100	AM	1100	1100	1100	1100
					PM	1090	1090	1090	1080
	6-22	1100	1080	1090	AM	1100	1100	1100	1100
						1080	1080	1080	1090
	6-23	1140	1100	1110		1100	1100	1110	1110

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT(
09306007 DATA PROCESSED
PICEANCE CREEK BELOW RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) P,

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

V,

S	DATE	MAX	MIN	MEAN		1	2	3	4
					PM	1100	1100	1100	1110
	6-24	1140	1120	1130	AM	1140	1140	1140	1140
					PM	1130	1130	1130	1130
A	6-25	1190	1120	1150	AM	1130	1140	1140	1140
					PM	1120	1120	1130	1130
	6-26	1190	1180	1180*	AM	1190	1180	1180	1180
					PM				
	PERIOD	1190	452						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SF
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIC
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOL
PRIMARY COMPUTATIONS OF QUALITY O
DATA PROC

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	6-26	1130	1140	1170	AM				
					PM	1170	1170	1170	116
A	6-27	1200	1150	1180	AM	1160	1160	1160	116
					PM	1190	1190	1190	118
	6-28	1190	1160	1180	AM	1180	1190	1190	119
					PM	1170	1170	1160	116
	6-29	1170	1100	1130	AM	1170	1170	1160	116
					PM	1120	1120	1110	110
	6-30	1130	1110	1120	AM	1120	1120	1120	112
					PM	1120	1120	1120	112
	7-01	1130	1110	1120	AM	1120	1120	1130	113
					PM	1120	1120	1110	111
A	7-02	1140	1100	1120	AM	1130	1130	1130	113
					PM	1120	1110	1110	111
	7-03	1140	1110	1130	AM	1130	1140	1140	113
					PM	1120	1110	1110	112
	7-04	1150	1120	1140	AM	1140	1150	1150	115
					PM	1130	1120	1120	112
A	7-05	1260	1130	1160	AM	1150	1150	1150	11
					PM	1130	1130	1130	11
	7-06	1260	1210	1240	AM	1260	1250	1260	12
					PM	1210	1210	1210	12
A	7-07	1280	1220	1250	AM	1250	1250	1250	12
					PM	1220	1220	1230	12
	7-08	1250	1200	1220	AM	1250	1240	1230	12
					PM	1200	1200	1200	12
	7-09	1270	1190	1220	AM	1230	1230	1230	12
					PM	1190	1190	1190	11
A	7-10	1300	1270	1280	AM	1280	1280	1280	12
					PM	1270	1270	1300	12
	7-11	1300	1260	1280	AM	1290	1290	1300	13
					PM	1270	1270	1260	12
	7-12	1280	1220	1260	AM	1270	1270	1280	12
					PM	1270	1270	1270	12
	7-13	1260	1200	1220	AM	1210	1210	1210	12
					PM	1200	1220	1220	12
	7-14	1270	1240	1250	AM	1260	1260	1270	12
					PM	1250	1250	1260	12
	7-15	1250	1220	1240	AM	1250	1250	1240	12
					PM	1240	1250	1240	12
	7-16	1230	1210	1220	AM	1220	1220	1220	12
					PM	1220	1230	1230	12
	7-17	1240	1210	1230*	AM	1210	1220	1220	12
					PM	1230	1230	1240	

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UNITED STAT

09306007
PICEANCE CREEK BELOW RIO
SPECIFIC CONDUCTANCE (MIC

PROVISIONAL DATA FOR WATE

S	DATE	MAX	MIN	MEAN	
	7-17	1240	1230	1230	A
	7-18	1260	1230	1240	P
A	7-19	1260	1210	1230	
A	7-20	1250	1140	1210	A
A	7-21	1240	1210	1230	A
	7-22	1260	1240	1250	P
A	7-23	1270	1240	1250	
	7-24	1270	1240	1250	A
	7-25	1250	1190	1220	P
A	7-26	1190	1140	1160	P
	7-27	1160	1140	1150	
	7-28	1170	1150	1160	A
	7-29	1170	1160	1160	P
A	7-30	1170	1130	1150	
	7-31	1130	1120	1130	A
A	8-01	1140	1110	1120	A
	8-02	1120	1100	1110	P
	8-03	1130	1110	1120	
	8-04	1110	1100	1100	A
A	8-05	1110	1050	1080	P
	8-06	1090	1050	1060	P
	8-07	1070	1040	1060	
	8-08	1070	1040	1050	A

UNITED STATES DEP
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09306007
PICEANCE CREEK BELOW RIO BLANCO
SPECIFIC CONDUCTANCE (MICROM S.

PROVISIONAL DATA FOR WATER YEAR

S	DATE	MAX	MIN	MEAN	
					PM
	8-09	1050	1040	1050	AM
					PM
	8-10	1050	1040	1050	AM
					PM
	8-11	1050	1040	1040	AM
					PM
	8-12	1060	1040	1050	AM
					PM
	8-13	1050	1040	1050	AM
					PM
	8-14	1050	1050	1050	AM
					PM
	8-15	1060	1040	1050	AM
					PM
	8-16	1060	1050	1060*	AM
					PM
	PERIOD	1270	1040		

NOTE.- SYMBOLS USED ABOVE HAVE THE FOL
A - SUCCESSIVE RECORDED PUNCH
R - ONE OR MORE INPUT VALUE I
* - DAILY SUMMARY IS FOR AN I
% - UNIT VALUES RECORD WRITTE

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY
PRIMARY COMPUTATIONS OF QUALITY OF WATER DATA PROCESSING

[illegible]
RIVERSIDE (CREEK [illegible]) NEAR [illegible], CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	AM	PM	MEAN		1	2	3	4
A	8-16	1060	~~1040~~ 1050	1050	AM	1050			
					PM		~~[illegible]~~	1060	1060
	8-17	1060	1020	1050	AM	1060	1060	1060	1060
					PM	1040	1020	1030	1040
	8-18	1060	1040	1060	AM	1060	1060	1060	1060
					PM	1060	1060	1050	1050
	8-19	1060	1030	1050	AM	1050	1050	1050	1050
					PM	1050	1050	1040	1040
	8-20	1060	1040	1050	AM	1050	1050	1050	1050
					PM	1050	1040	1040	1040
	8-21	1060	1040	1050	AM	1050	1050	1050	1050
					PM	1050	1050	1050	1050
	8-22	1060	1040	1050	AM	1050	1050	1060	1060
					PM	1050	1050	1050	1050
	8-23	1060	1040	1050	AM	1050	1050	1050	1060
					PM	1050	1050	1050	1050
	8-24	1060	1040	1050	AM	1050	1060	1060	1060
					PM	1050	1050	1050	1040
	8-25	1060	1040	1050	AM	1060	1050	1060	1060
					PM	1050	1050	1040	1040
A	8-26	1090	1040	1050	AM	1050	1050	1050	1060
					PM	1050	1050	1050	1040
	8-27	1070	1030	1050	AM	1050	1050	1060	1060
					PM	1050	1050	1050	1040
	8-28	1060	1020	1040	AM	1050	1050	1050	1060
					PM	1040	1040	1030	1020
	8-29	1040	1020	1030	AM	1030	1030	1030	1030
					PM	1030	1030	1030	1020
A	8-30	1040	~~[illegible]~~ 1030	~~[illegible]~~ 1030	AM	1030	1030	1040	1040
					PM	~~[illegible]~~	1030	1030	1030
A	8-31	1040	~~[illegible]~~ 1020	~~[illegible]~~ 1030	AM	1030	1030	1030	1040
					PM	1030	1030	1030	1030
A	9-01	1040	~~[illegible]~~ 1020	~~[illegible]~~ 1030	AM	1030	1030	1040	1040
					PM	1030	1030	1030	1020
	9-02	1050	1030	1040	AM	1030	1030	1030	1040
					PM	1040	1040	1040	1040
	9-03	1070	1050	1060	AM	1050	1060	1070	1060
					PM	1060	1050	1050	1050
A	9-04	1100 ~~[illegible]~~	~~[illegible]~~ 1070	~~[illegible]~~ 1080	AM	1070	1080	1080	1080
					PM	1080	1090	1090	1100
	9-05	1090	1060	1080	AM	1080	1080	1080	1080
					PM	1080	1080	1070	1070
A	9-06	1080	~~[illegible]~~ 1060	1070	AM	1070	1080	1080	1080
						1080	1080	1070	1070

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

[illegible]
RICEANCE CREEK BELOW RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	9-07	1090	~~[illegible]~~ 1060	~~[illegible]~~ 1080	AM	1080	1080	1090	1090
					PM	1080	1080	1080	1070
	9-08	1090	1070	1080	AM	1080	1080	1090	1090
					PM	1080	1080	1070	1070
	9-09	1100	1060	1080	AM	1090	1090	1090	1090
					PM	1080	1080	1070	1070
	9-10	1090	1060	1080	AM	1080	1090	1090	1090
					PM	1080	1080	1060	1060
A	9-11	1100	~~[illegible]~~ 1070	1080	AM	1090	1090	1090	1100
					PM	1090	1080	1080	1070
A	9-12	1080	~~[illegible]~~ 1050	~~[illegible]~~ 1060	AM	1080	1080	1060	1060
					PM	1060	1060	1060	1060
	9-13	1080	1050	1070	AM	1070	1070	1070	1080
					PM	1070	1070	1060	1060
	9-14	1080	1050	1070	AM	1070	1070	1080	1080
					PM	1070	1070	1060	1060
	9-15	1080	1050	1070	AM	1070	1070	1080	1080
					PM	1070	1070	1060	1060
	9-16	1080	1050	1070	AM	1070	1070	1080	1080
					PM	1070	1070	1060	1050
	9-17	1090	1050	1070	AM	1070	1080	1080	1060
					PM	1070	1070	1060	1050
	9-18	1080	1040	1060	AM	1070	1080	1080	1080
					PM	1070	1060	1060	1050
	9-19	1070	1080	1060	AM	1060	1060	1070	1070
					PM	1060	1050	1050	1040
	9-20	1080	1060	1070*	AM	1070	1070	1070	1070
					PM	1060	1060 fm		
PERIOD		88900	14						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
P - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4	VA
	9-20	1070	1040	1060	AM		fm 1050			
					PM		1060	1050	1050	1
	9-21	1100	1040	1070	AM	1070	1070	1070	1070	1
					PM	1060	1060	1050	1050	1
	9-22	1140	1110	1120	AM	1110	1120	1130	1130	1
					PM	1130	1120	1120	1120	1
	9-23	1130	1080	1110	AM	1120	1130	1130	1130	1
				1120	PM	1110	1100	1090	1090	1
A	9-24	1140	~~12~~ 1110	~~917~~	AM	1120	1120	1120	1120	1
				1150	PM	1120	1120	1130	1140	
A	9-25	1180	~~48~~ 1120	~~1020~~	AM	~~48~~	~~692~~	~~612~~	~~798~~	
					PM	1160	1160	~~1050~~?	1170	1
	9-26	1140	1090	1120*	AM	1130	1130	1130	1140	1
					PM	1110	1100	1100	1090	1
	PERIOD	1180	12							

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4	VA
	9-28	1130	1100	1120	AM	1130	1130	1130	1130	1
					PM	1110	1110	1100	1100	1
	9-29	1130	1090	1110	AM	1130	1130	1130	1130	1
					PM	1100	1100	1090	1090	1
	9-30	1120	1090	1110	AM	1120	1120	1120	1120	1
					PM	1100	1100	1090	1090	1
	PERIOD	1130	1090							

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SF
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI(
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WATE
09306007 DATA PROCESSED
PICEANCE CREEK BELOW RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4
	10-01	1130	1090	1110	AM	1120	1120	1120	1120
					PM	1110	1110	1100	1090
	10-02	1130	1090	1120	AM	1130	1130	1130	1130
					PM	1120	1110	1100	1090
	10-03	1130	1100	1120	AM	1130	1130	1130	1130
					PM	1110	1110	1110	1100
	10-04	1140	1120	1130	AM	1140	1140	1140	1140
					PM	1130	1120	1120	1120
	10-05	1150	1120	1140	AM	1140	1150	1150	1150
					PM	1130	1130	1120	1120
	10-06	1150	1110	1140	AM	1150	1150	1150	1150
					PM	1130	1120	1120	1120
	10-07	1170	1120	1150	AM	1160	1160	1160	1160
					PM	1130	1130	1120	1120
	10-08	1200	1160	1180	AM	1180	1180	1180	1180
					PM	1160	1160	1160	1160
	10-09	1210	1160	1190	AM	1210	1210	1210	1210
					PM	1180	1180	1170	1170
	10-10	1200	1140	1180	AM	1190	1190	1200	1200
					PM	1170	1170	1160	1150
	10-11	1180	1120	1150	AM	1180	1180	1180	1180
					PM	1150	1140	1140	1130
	10-12	1160	1100	1140	AM	1160	1160	1160	1160
					PM	1140	1130	1120	1110
	10-13	1160	1100	1140	AM	1150	1150	1150	1150
					PM	1140	1130	1120	1110
	10-14	1160	1110	1140	AM	1140	1150	1150	1150
					PM	1140	1130	1120	1120
	10-15	1180	1120	1150	AM	1160	1160	1170	1170
					PM	1160	1150	1140	1130
	10-16	1170	1120	1150	AM	1160	1170	1170	1170
					PM	1140	1140	1130	1130
	10-17	1170	1170	1170*	AM	1170	1170	1170	1170
					PM				
	PERIOD	1210	1090						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVER
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF [illegible]
[illegible]3[illegible]007 DATA PROCESSED
PICEANCE CREEK BELOW RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4	VA
	10-17	1170	1130	1160	AM					
					PM	1160	1150	1150	1140	1
	10-18	1180	1130	1160	AM	1180	1180	1180	1180	1
					PM	1160	1150	1140	1140	1
	10-19	1190	1140	1170	AM	1180	1180	1180	1180	1
					PM	1170	1160	1150	1150	1
A	10-20	1200	1150	1170	AM	1170	1170	1170	1170	1
					PM	1150	1160	1170	1170	1
	10-21	1210	1170	1190	AM	1190	1200	1200	1200	1
					PM	1180	1170	1170	1170	1
	10-22	1200	1150	1170	AM	1200	1190	1190	1190	1
					PM	1160	1160	1150	1160	1
	10-23	1170	1110	1140	AM	1170	1170	1160	1160	1
					PM	1140	1130	1120	1110	1
	10-24	1120	1100	1110	AM	1110	1110	1110	1110	1
					PM	1120	1110	1110	1100	1
	10-25	1120	1100	1110	AM	1110	1110	1120	1110	1
					PM	1110	1100	1100	1100	1
	10-26	1110	1080	1100	AM	1110	1110	1110	1110	1
					PM	1100	1090	1090	1080	1
	10-27	1110	1100	1110	AM	1110	1110	1110	1110	1
					PM	1100	1100	1100	1100	1
	10-28	1120	1090	1110	AM	1110	1110	1110	1110	1
					PM	1100	1100	1090	1090	1
	10-29	1120	1050	1090	AM	1120	1120	1110	1110	1
					PM	1070	1050	1060	1060	1
	10-30	1090	1080	1090	AM	1090	1090	1090	1090	1
					PM	1080	1080	1080	1080	1
	10-31	1090	1080	1090	AM	1090	1090	1090	1090	1
					PM	1080	1080	1080	1080	1
	11-01	1090	1080	1080	AM	1080	1080	1090	1080	1
					PM	1080	1080	1080	1080	1
	11-02	1080	1070	1080	AM	1080	1080	1080	1080	1
					PM	1070	1070	1070	1070	1
	11-03	1080	1070	1080	AM	1080	1080	1080	1080	1
					PM	1070	1070	1070	1070	1
	11-04	1080	1060	1080	AM	1080	1080	1080	1080	1
					PM	1070	1070	1060	1060	1
	11-05	1080	1050	1070	AM	1080	1080	1080	1080	1
					PM	1060	1060	1050	1070	1
	11-06	1090	1060	1070	AM	1070	1070	1070	1070	1
					PM	1060	1060	1080	1070	1
	11-07	1070	1040	1060	AM	1070	1070	1070	1070	1
					PM	1050	1050	1040	1050	1
	11-08	1070	1050	10[illegible]	[illegible]	1060	1070	1060	1060	1

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WATE
09306007 DATA PROCESSED
PICEANCE CREEK BELOW RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4	VA
					PM	1060	1060	1060	1060	1
	11-09	1070	1060	1070	AM	1070	1070	1070	1070	1
					PM	1060	1060	1060	1060	1
	11-10	1080	1060	1070	AM	1070	1070	1070	1070	1
					PM	1060	1060	1060	1070	1
	11-11	1070	1060	1070	AM	1070	1070	1070	1070	1
					PM	1060	1060	1060	1060	1
	11-12	1070	1060	1070	AM	1070	1070	1070	1070	1
					PM	1070	1070	1070	1070	1
	11-13	1070	1070	1070	AM	1070	1070	1070	1070	1
					PM	1070	1070	1070	1070	1
	11-14	1070	1060	1060*	AM	1060	1070	1070	1070	1
					PM	1060	1060	1060	1060	1
	PERIOD	1210	1040							

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SP
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVER C
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPART
PRIMARY

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR END

S	DATE	MAX	MIN	MEAN
A	12-14	~~7.3~~		~~3.0~~*
A	12-15	~~13.3~~	INTAKE FROZEN	~~5.6~~
A	12-16	~~10.8~~		~~4.6~~
	12-17	.2	0	.1
	12-18	3.3	.2	1.3
AH	12-19	3.4	2.0	
A	12-20	2.9	.8	1.9
	12-21	1.5	0	.5
A	12-22	2.5	0	1.0
	12-23	1.9	.8	1.3
	12-24	2.9	.3	1.5
	12-25	1.1	0	.3
	12-26	.2	0	.1
	12-27	.2	.1	.1
	12-28	3.0	0	1.4
	12-29	2.8	0	
	12-30	.2	0	.1
	12-31	.1	0	.1
	1-01	.1	0	.1
	1-02	.1	0	0
	1-03	.2	0	.1
	1-04	.2	0	.1
	1-05	1.9	0	.6

UNITED STATES DEPART
PRIMARY

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR END

S	DATE	MAX	MIN	MEAN
	1-06	2.3	.8	1.5
	1-07	0.5	0	.2
	1-08	3.7	.4	2.0
	1-09	4.3	2.4	3.3
	1-10	6.8	4.4	5.6
		INTAKE FROZEN		
	1-11	8.1	6.6	7.3
	1-12	8.2	7.9	8.0*
	PERIOD	13.3		

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLO
A - SUCCESSIVE RECORDED PUNCH PER
A - ONE OR MORE INPUT VALUE IS OU
* - DAILY SUMMARY IS FOR A INCOM
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR -
PRIMARY COMPUTATIONS OF QUALI
DATA F

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3
A	4-02	10.9	2.9	7.5*	AM			
					PM	10.0	10.9	10.5
A	4-03	11.4	.1	5.3	AM	2.3	1.7	1.1
					PM	10.7	11.2	11.4
A	4-04	10.3	.7	5.3	AM	2.3	1.8	1.3
					PM	9.2	10.3	9.8
A	4-05	14.7	4.3	8.9	AM	5.3	5.0	4.6
					PM	13.3	14.5	14.6
A	4-06	16.6	3.4	9.4	AM	5.6	5.0	4.4
					PM	15.4	16.3	16.6
A	4-07	16.1	3.7	9.5	AM	5.9	5.3	4.7
					PM	15.2	16.1	16.1
A	4-08	15.4	3.6	9.0	AM	6.3	5.6	5.1
					PM	14.4	15.3	15.4
A	4-09	9.1	1.9	6.1	AM	5.2	4.0	3.1
					PM	7.4	8.0	8.2
A	4-10	~~[illegible]~~ poor flow	~~[illegible]~~	~~[illegible]~~	AM	6.6	5.6	~~5.5~~
					PM	3.6 3.7	3.5	3.5
A	4-11	6.0	.4	3.0	AM	1.4	1.1	.7
					PM	4.3	4.9	5.2
A	4-12	10.8	.5	5.4	AM	3.3	2.9	2.4
					PM	7.4	8.4	10.0
A	4-13	12.6	1.1	6.8	AM	5.0	4.3	3.5
					PM	9.7	11.3	12.3
A	4-14	16.1	2.9	9.0	AM	6.3	5.6	4.9
					PM	11.4	13.5	14.9
A	4-15	15.3	2.9	9.1	AM	8.0	7.1	6.1
					PM	10.3	12.2	13.6
A	4-16	~~15.3~~	~~[illegible]~~ 6.2	~~[illegible]~~ 10.7	AM	~~8.6~~	~~8.4~~	~~7.8~~
					PM	~~9.8~~	~~11.5~~	~~13.1~~
A	4-17	~~15.2~~	~~7.8~~	~~12.1~~	AM	~~8.8~~	~~7.8~~	~~10.2~~
					PM	10.7	12.5	14.0
A	4-18	14.9	5.4	9.8	AM	9.2	8.6	8.0
					PM	10.5	12.2	13.6
A	4-19	13.3	5.4	8.9	AM	9.1	8.4	7.8
					PM	9.9	10.8	12.1
AR	4-20	13.7	3.5		AM	7.1	6.4	5.8
					PM	9.2	10.8	12.3
A	4-21	12.7	4.6	8.7	AM	7.9	7.2	6.5
					PM	10.3	11.0	11.9
A	4-22	13.2	~~5.4~~ 6.6	9.3	AM	8.0	7.5	7.1
					PM	10.5	11.5	12.5
A	4-23	14.2	5.5	9.6	AM	8.6	8.0	7.5
					PM	10.6	12.2	13.3
A	4-24	13.8	7.0	10.1	AM	9.6	9.1	8.7
					PM	9.1	10.4	11.6

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - G
PRIMARY COMPUTATIONS OF QUALITY
DATA PR

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3
A	4-25	13.3	6.5	9.4	AM	9.5	9.0	8.5
					PM	8.7	9.9	10.7
A	4-26	14.3	4.0	8.8	AM	8.1	7.4	6.7
					PM	8.7	10.4	11.9
A	4-27	14.6	4.2	9.1	AM	8.3	7.2	6.8
					PM	8.8	10.4	12.2
A	4-28	12.9	6.2	9.4	AM	9.8	9.1	8.6
					PM	9.5	10.0	11.3
A	4-29	12.9	4.1	8.6	AM	8.1	7.3	6.7
					PM	8.9	10.3	11.5
A	4-30	13.1	5.0	9.0	AM	8.9	8.2	7.5
					PM	9.2	10.4	11.9
	5-01	9.5	7.4	8.2*	AM	9.5	9.1	8.7
					PM			
	PERIOD	16.6	.1					

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MOR TH
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF HE
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL S
PRIMARY COMPUTATIONS OF QUALITY OF WATER D
09306007 DATA PROCESSED 06-
PICEANCE CREEK BELOW RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER PARAM

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		VALUE 1	2	3	4	5
A	5-01	12.4	8.0	9.6	AM					
					PM	9.5	11.2	11.8	12.3	12.4
	5-02	9.7	6.6	8.0	AM	8.5	8.1	7.7	7.4	7.2
					PM	9.0	9.5	9.7	9.2	8.8
A	5-03	8.7	4.1	6.3	AM	5.6	6.3	5.9	5.4	4.9
					PM	6.4	7.7	8.4	8.7	8.6
A	5-04	16.6	2.9	9.3	AM	5.2	4.7	4.3	3.9	3.6
					PM	11.1	13.2	14.9	16.1	16.6
A	5-05	14.3	5.8	9.8	AM	9.4	8.7	7.9	7.3	6.7
					PM	9.8	11.3	12.7	13.7	14.1
A	5-06	13.1	6.5	9.4*	AM	9.3	8.7	8.2	7.8	7.3
					PM	11.8	12.8	13.1	12.8	12.3
PERIOD		16.6	2.9							

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SPECI
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSION T
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SU
PRIMARY COMPUTATIONS OF QUALITY OF WATER DI
DATA PROCESSED 06-1

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PAGE

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		VALUES 1	2	3	4	5
A	5-07	Incl. data ~~14.5~~	~~4.4~~	~~7.4~~	AM	Clock stopped				
					PM		5.5	5.2	5.2	5.2
A	5-08	10.0 ~~12.9~~	3.3	~~9.2~~	AM	~~11.8~~	~~12.0~~	~~12.1~~	~~12.0~~	~~12.1~~
					PM	5.4	7.0	8.0	9.1	10.1
A	5-09	10.7	3.6	~~6.9~~	AM	3.1	4.3	4.2	3.8	3.6
					PM	7.9	10.0	10.4	10.7	10.7
A	5-10	12.0 ~~14.5~~	2.8	~~8.1~~	AM	6.0	5.5	4.8	4.3	3.8
					PM	6.9	8.1	9.0	11.5	11.8
AR	5-11	~~15.6~~			AM	18.6	18.3	18.3	18.0	17.6
					PM	13.0	13.7	11.7	12.3	12.7
A	5-12	~~20.1~~	~~4.4~~	~~11.6~~	AM	9.2	8.5	7.8	7.1	6.4
		BLOCKED INTAKE			PM	10.1	12.3	14.3	16.1	17.6
A	5-13	~~22.8~~	~~7.9~~	~~14.6~~	AM	13.7	12.4	11.1	10.0	9.0
					PM	13.4	15.4	17.1	19.1	20.6
A	5-14	~~22.0~~	~~7.1~~	~~15.9~~	AM	16.6	15.3	13.9	12.7	~~11.6~~
					PM	15.6	17.3	18.5	19.5	20.5
AR	5-15	~~17.0~~			AM	17.0	15.7	14.5	~~13.3~~	~~12.3~~
					PM	~~11.7~~	14.0	15.6	14.4	14.7
AR	5-16	~~15.2~~			AM		14.2	14.0	13.7	13.3
					PM	12.5	12.9	13.3	14.1	14.1
A	5-17	16.0	7.4	11.4	AM	9.7	8.8	8.1	8.4	8.0
					PM	12.3	13.4	14.7	15.5	16.0
A	5-18	17.1	7.3	11.9	AM	10.7	9.9	9.2	8.6	8.1
					PM	12.8	14.6	15.2	16.0	16.8
A	5-19	18.6	6.7	12.4	AM	10.8	9.8	9.0	8.4	7.7
					PM	13.1	15.0	16.0	17.8	18.3
A	5-20	~~18.6~~	~~[illegible]~~	~~12.7~~	AM	12.2	11.2	10.1	9.2	8.5
					PM	12.5	14.3	15.9	17.1	18.1
AR	5-21	~~[illegible]~~ BLOCKED INTAKE			AM	15.4	14.6	13.8	13.1	12.4
					PM	16.0	18.8	20.5	22.1	23.8
A	5-22	~~23.1~~	~~11.3~~	~~15.7~~	AM	17.5	16.3	15.1	14.1	13.2
					PM	17.8	19.8	21.5	23.1	18.1
A	5-23	18.1	7.5	12.8	AM	11.7	10.8	9.9	9.1	8.5
					PM	13.9	15.5	16.8	17.8	18.1
AR	5-24		~~[illegible]~~		AM	11.9	11.0	10.2	9.4	8.8
					PM					
AR	5-25				AM					
					PM					
AR	5-26				AM					
					PM					
AR	5-27				AM					
					PM					
R	5-28				AM					
					PM					
AR	5-29				AM					
					PM					

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOG
PRIMARY COMPUTATIONS OF QUALITY OF W
DATA PROCESSI

09305007
PICEANCE CREEK BELOW RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
AR	5-30				AM	field 11.8			
					PM				
R	5-31				* AM				
					PM				
PERIOD		24.1	2.8						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERS
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
							TEMP OK 5/31 RIGHT ON		
A	6-01	16.3	11.1	14.5*	AM				
					PM		14.9	14.9	15.6
A	6-02	17.1	6.2	11.4	AM	10.1	9.2	8.4	7.7
					PM	12.4	14.0	15.4	16.5
A	6-03	17.3	6.7	11.8	AM	10.7	9.8	9.0	8.3
					PM	13.3	14.4	15.1	16.8
A	6-04	18.8	8.0	12.6	AM	11.2	10.3	9.6	9.1
					PM	14.4	16.0	16.8	18.5
A	6-05	18.8	7.7	12.9	AM	10.9	10.1	9.4	8.9
					PM	14.3	16.0	17.3	18.3
A	6-06	15.2	8.4	12.1	AM	12.1	11.2	10.5	9.8
					PM	13.7	14.3	14.9	14.9
A	6-07	13.2	9.0	11.2	AM	11.5	11.0	10.5	10.1
					PM	12.8	12.7	13.2	13.2
	6-08	~~9.5~~	~~7.8~~	~~8.6~~	AM	9.5	9.1	8.8	8.5
					PM	8.3	8.6	9.1	9.2
A	6-09	~~14.2~~	~~6.4~~	~~10.1~~	AM	7.7	7.5	7.2	7.0
					PM	10.8	12.2	13.1	14.0
A	6-10	~~14.9~~	~~7.8~~	~~12.3~~	AM	10.2	9.0	9.1	9.0
					PM	12.9	14.3	15.0	16.0
A	6-11	~~19.8~~	~~9.6~~	~~14.1~~	AM	11.7	11.4	10.8	10.4
					PM	17.8	17.8	18.6	19.4
A	6-12	19.6	7.9	13.6	AM	11.6	10.6	9.8	9.1
					PM	15.9	17.3	18.6	19.4
A	6-13	19.3	8.5	13.8	AM	11.9	11.0	10.2	9.5
					PM	16.3	17.3	18.3	19.0
A	6-14	18.5	8.8	13.4	AM	12.2	11.3	10.5	9.8
					PM	15.5-	16.6	17.9	18.1
A	6-15	18.0	8.9	13.1	AM	12.2	11.5	10.7	10.1
					PM	14.1	15.3	16.8	17.6
A	6-16	19.4	7.4	13.1	AM	11.0	10.2	9.5	8.8
					PM	15.9	17.6	18.8	19.4
A	6-17	18.3	7.3	12.6	AM	10.6	9.8	9.0	8.4
					PM	15.2	16.1	17.3	18.1
A	6-18	15.1	8.9	11.5	AM	11.2	10.5	9.9	9.5
					PM	14.0	15.1	14.9	14.4
A	6-19	13.4	7.8	10.1	AM	9.4	9.2	8.9	8.6
					PM	9.8	10.7	12.2	12.9
A	6-20	18.6	6.6	12.4	AM	8.8	8.3	7.8	7.4
					PM	15.7	17.1	17.8	18.5
A	6-21	20.1	7.6	13.4	AM	10.8	10.0	9.3	8.7
					PM	17.0	18.6	19.6	20.1
A	6-22	20.4	7.7	13.7	AM	11.0	10.1	9.5	8.9
					PM	16.8	18.5	19.6	20.3
A	6-23	21.0	8.3	14.2	AM	11.6	10.7	10.1	9.4
						17.1	19.0	20.4	21.0

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER P

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

V

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	6-24	21.6	8.8	14.7	AM	12.0	11.2	10.5	9.9
					PM	18.1	19.1	20.6	21.6
A	6-25	21.4	9.2	14.7	AM	12.3	11.6	10.9	10.4
					PM	18.1	19.6	20.8	21.4
A	6-26	12.8	9.4	10.8*	AM	12.2	11.6	11.0	10.4
					PM				
PERIOD		21.6	6.2						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSE

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	6-26	20.0	13.2	14.4	AM				
					PM	16.6	18.8	19.3	19.6
A	6-27	19.1	9.1	13.8	AM	12.4	11.6	10.9	10.3
					PM	17.3	16.8	17.1	18.1
A	6-28	18.8	8.7	13.8	AM	11.6	10.9	10.3	9.8
					PM	18.6	18.8	18.3	18.1
A	6-29	22.0	9.3	15.3	AM	12.0	11.4	10.9	10.4
					PM	18.6	20.4	21.4	22.0
A	6-30	19.5	11.0	14.5	AM	13.3	12.6	12.2	11.7
					PM	15.6	16.8	18.3	18.8
A	7-01	19.6	11.1	14.7	AM	13.1	12.6	12.2	11.9
					PM	18.3	19.6	18.8	17.6
A	7-02	19.6	10.6	14.5	AM	12.6	12.3	11.9	11.5
					PM	17.0	17.8	18.5	19.6
A	7-03	16.8	9.9	13.1	AM	12.2	11.6	11.0	10.6
					PM	16.1	16.8	16.8	16.0
A	7-04	17.8	9.2	13.3	AM	11.2	10.8	10.4	10.0
					PM	13.8	15.3	17.1	17.8
A	7-05	20.0	8.8	13.8	AM	11.3	10.6	10.1	9.[illegible]
					PM	16.1	17.6	19.5	20.[illegible]
A	7-06	15.9	9.7	12.4	AM	11.1	10.6	10.3	10.0
					PM	15.2	15.2	14.3	14.6
A	7-07	20.4	9.2	14.1	AM	10.8	10.4	10.1	9.8
					PM	18.1	19.4	20.4	20.4
A	7-08	19.6	10.0	14.4	AM	12.1	11.6	11.2	10.8
					PM	17.5	18.3	19.3	19.6
A	7-09	19.5	9.1	14.3	AM	11.7	11.0	10.5	10.1
					PM	17.8	19.4	19.3	19.5
A	7-10	20.8	10.3	15.0	AM	12.5	12.0	11.5	11.0
					PM	18.6	19.5	20.4	20.8
A	7-11	21.0	10.0	15.2	AM	12.8	12.2	11.7	11.1
					PM	17.8	19.1	20.4	21.0
A	7-12	20.5	10.8	15.6	AM	14.0	13.3	12.6	12.0
					PM	18.6	20.0	20.5	20.3
A	7-13	20.3	11.5	15.9	AM	14.3	13.6	13.1	12.7
					PM	18.3	19.6	20.1	20.3
A	7-14	20.0	11.8	16.0	AM	15.0	14.4	13.7	13.2
					PM	18.8	19.4	19.5	20.0
A	7-15	19.8	12.1	15.6	AM	14.1	13.5	13.0	12.7
					PM	19.8	18.6	17.3	17.6
A	7-16	20.8	12.5	15.9	AM	14.6	14.1	13.7	13.3
					PM	19.6	20.8	19.6	18
A	7-17	20.4	12.5	15.3*	AM	14.3	13.9	13.7	13.4
					PM	19.6	20.4	20.1	
	PERIOD	22.0	8.7						6 m 20.0

UNITED STATI

09306007
PICEANCE CREEK BELOW RIO I
TEMPERATURE (DEG. C) OF W

PROVISIONAL DATA FOR WATEI

S	DATE	MAX	MIN	MEAN	
	7-17	19.1	14.5	16.0	AM
A	7-18	18.3	12.0	15.1	PM
A	7-19	19.6	11.0	15.0	
A	7-20	16.6	11.5	14.0	AM
A	7-21	18.1	11.8	14.9	AM
A	7-22	17.5	12.3	14.8	PM
A	7-23	18.6	11.8	14.7	
A	7-24	19.4	11.3	14.9	AM
A	7-25	19.9	11.0	14.9	PM
A	7-26	17.0	11.3	14.0	PM
A	7-27	18.3	11.3	14.5	
A	7-28	19.3	11.5	14.9	AM
A	7-29	18.8	10.9	14.4	PM
A	7-30	18.6	9.9	13.9	
A	7-31	18.6	9.6	13.8	AM
A	8-01	19.1	9.7	13.9	AM
A	8-02	19.8	9.6	14.2	PM
A	8-03	19.8	9.5	14.1	
A	8-04	20.5	9.3	14.3	AM
A	8-05	21.1	10.1	14.9	PM
A	8-06	18.5	10.5	14.6	PM
A	8-07	21.5	11.3	15.7	
A	8-08	18.8	11.5	14.8	AM

UNITED STATES DEP
PRI

09306007
PICEANCE CREEK BELOW RIO BLANCO
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR

S	DATE	MAX	MIN	MEAN	
					PM
A	8-09	19.3	11.0	14.9	AM
					PM
A	8-10	21.0	10.5	15.0	AM
					PM
A	8-11	20.6	9.2	14.2	AM
					PM
A	8-12	19.6	9.7	14.4	AM
					PM
A	8-13	18.1	11.5	14.1	AM
					PM
A	8-14	14.0	9.8	12.0	AM
					PM
A	8-15	14.8	9.5	12.0	AM
					PM
	8-16	12.4	10.9	11.5*	AM
					PM
	PERIOD	21.5	9.2		

NOTE.- SYMBOLS USED ABOVE HAVE THE FOL
A - SUCCESSIVE RECORDED PUNCH
R - ONE OR MORE INPUT VALUE IS
* - DAILY SUMMARY IS FOR AN IN
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL
PRELIMINARY COMPUTATIONS OF QUALITY OF
DATA PROCESSING

09305007
DISCHARGE (WEEK ENDING) PLATCO. CO.
TEMPERATURE (DEG. C) OF WTR

PROVISIONAL DATA FOR THIS YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	8-15	15.6	11.8	12.7	AM				
					PM	[illegible]	13.3	14.6	15.4
	8-17	14.5	9.2	11.9	AM	11.2	10.6	10.2	9.8
					PM	12.8	13.7	14.3	14.5
A	8-18	13.7	9.4	11.2	AM	11.1	10.7	10.3	10.0
					PM	12.5	12.8	13.0	12.9
	8-19	13.7	9.9	11.5	AM	10.5	10.4	10.2	10.1
					PM	12.7	13.2	13.2	13.3
	8-20	13.5	9.7	11.3	AM	10.6	10.3	10.1	10.0
					PM	11.7	12.4	12.4	12.8
A	8-21	17.6	8.5	12.7	AM	10.4	10.0	9.6	9.3
					PM	15.9	17.0	17.5	17.6
A	8-22	20.0	8.7	13.5	AM	11.1	10.6	10.1	9.7
					PM	15.5	17.0	18.3	19.4
A	8-23	19.6	8.8	13.6	AM	12.0	11.2	10.5	10.0
					PM	15.7	17.5	18.8	19.6
A	8-24	20.5	9.4	14.2	AM	11.9	11.4	11.0	10.6
					PM	16.6	18.3	19.8	20.5
A	8-25	19.0	9.0	13.4	AM	11.6	10.9	10.2	9.8
					PM	15.9	17.3	18.5	19.0
A	8-26	18.3	8.9	13.3	AM	11.8	11.1	10.5	9.9
					PM	16.3	17.8	17.8	18.1
A	8-27	20.1	8.5	13.8	AM	11.2	10.6	10.0	9.5
					PM	16.1	18.1	19.4	20.0
A	8-28	19.5	8.5	14.0	AM	12.7	11.9	11.3	10.7
					PM	16.0	17.6	18.8	19.5
A	8-29	19.6	8.5	13.4	AM	11.5	10.7	10.1	9.6
					PM	15.7	17.5	18.8	19.6
~~A~~	8-30	14.9	9.2		AM	11.2	10.5	9.9	9.5
					PM	11.2		12.5	13.9
AD	8-31	19.1	9.0		AM	10.8	10.3	10.0	9.7
					PM	15.5	17.1	18.3	19.1
A	9-01	19.3	7.7	12.9	AM	10.8	10.0	9.4	8.9
					PM	15.2	17.0	18.5	19.1
A	9-02	19.4	8.1	13.2	AM	11.2	10.5	9.8	9.3
					PM	15.8	17.3	18.3	19.1
A	9-03	20.3	8.1	13.7	AM	11.5	10.6	10.0	9.4
					PM	16.1	17.6	19.1	20.1
AD	9-04	20.1	8.4		AM	12.4	11.5	10.8	10.1
					PM	16.3	18.1	19.5	20.1
A	9-05	20.5	7.4	13.5	AM	11.5	10.6	9.8	9.1
					PM	15.8	17.8	19.3	20.4
AD	9-06	20.5	7.8		AM	12.1	11.2	10.3	9.6
					PM	15.9	17.8	19.5	20.4
A	9-07	19.1	7.8	12.9	AM	12.0	11.0	10.3	9.5

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL
PRIMARY COMPUTATIONS OF QUALITY [illegible]
[illegible]
[illegible]
[illegible] CREEK [illegible] BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	[illegible]	[illegible]	[illegible]		1	2	3	4
					P	16.0	16.6	17.1	17.3
A	[illegible]	[illegible]	[illegible]	12.4	AM	11.3	10.7	10.0	9.5
					PM	15.1	15.3	15.7	15.9
A	[illegible]	[illegible]	8.3	13.5	AM	11.6	11.0	10.6	10.1
					PM	15.6	16.3	18.3	18.5
A	[illegible]	13.6	10.3	14.3	AM	13.3	12.5	11.3	11.4
					PM	16.6	18.1	18.3	18.6
A	9-11	17.1	9.4	13.2	AM	12.6	12.0	11.4	10.9
					PM	15.1	16.0	16.5	17.0
A	9-12	18.0	7.0	11.9	AM	10.9	10.1	9.4	8.7
					PM	13.7	15.6	17.0	17.3
A	9-13	14.3	6.0	10.1	AM	9.7	9.0	8.2	7.6
					PM	11.6	13.3	13.3	14.3
A	9-14	16.6	5.9	10.7	AM	8.9	8.3	7.7	7.2
					PM	12.3	14.5	15.9	16.6
A	9-15	17.3	5.0	10.6	AM	8.7	7.9	7.3	6.6
					PM	12.4	14.4	16.1	17.0
A	9-16	17.3	5.6	11.2	AM	9.4	8.6	7.9	7.2
					PM	13.2	15.2	16.6	17.6
A	9-17	17.3	5.8	11.3	AM	9.3	9.0	8.2	7.5
					PM	13.0	15.0	16.5	17.3
A	9-18	18.0	6.4	11.8	AM	10.2	9.4	8.7	8.0
					PM	13.3	15.4	16.6	17.8
A	9-19	17.1	6.8	11.7	AM	10.5	9.7	9.0	8.4
					PM	13.6	15.3	17.0	17.1
A	9-20	13.3	8.1	9.9*	AM	11.3	10.7	10.2	9.7
					PM	13.3			
PERIOD		20.6	5.0						

Fm 14
Pg 144

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
9 - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
& - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	9-20	16.1	11.6	11.9	AM		FM 14		
					PM		14.5	15.5	16.1
A	9-21	17.5	7.8	12.2	AM	10.9	10.3	9.6	9.1
					PM	14.2	15.8	16.6	17.5
A	9-22	16.3	7.8	11.9	AM	11.0	10.4	10.0	9.4
					PM	14.4	14.4	15.8	16.1
A	9-23	17.8	7.2	12.1	AM	10.2	9.6	9.0	8.5
					PM	13.6	15.5	16.8	17.8
A	9-24	16 ~~16.3~~	7.7	~~11.3~~	AM	10.9	10.3	9.6	9.1
					PM	12.4	14.0	15.0	15.8
A	9-25	16.1	8.4	~~12.1~~	AM	~~11.8~~	~~10.6~~	~~10.3~~	~~9.8~~
					PM	13.7	14.7	15.9	16.1
A	9-26	16.3	9.1	11.3*	AM	10.5	10.0	9.6	9.4
					PM	13.4	14.9	15.6	16.3
	PERIOD	17.8	7.2						

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UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

VA

S	DATE	MAX	MIN	MEAN		1	2	3	4	
A	9-28	16.5	7.2	11.4	AM	10.0	9.4	8.9	8.5	
					PM	13.5	15.1	16.1	16.5	1
A	9-29	17.0	6.9	11.3	AM	9.7	9.1	8.5	8.1	
					PM	13.5	15.2	16.5	17.0	1
A	9-30	16.6	6.5	11.1	AM	9.5	9.0	8.4	8.0	
					PM	13.2	14.9	16.3	16.6	1
PERIOD		17.0	6.5							

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UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306007
PICEANCE CREEK BELOW RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4	
A	10-01	16.3	6.7	11.0	AM	9.7	9.2	8.6	8.1	
					PM	13.1	14.7	15.9	16.3	1
A	10-02	15.3	6.8	10.7	AM	9.6	9.0	8.4	8.0	
					PM	12.9	14.1	14.7	15.3	1
A	10-03	14.9	6.7	10.3	AM	9.8	9.2	8.8	8.3	
					PM	12.2	13.5	14.5	14.9	1
A	10-04	14.9	5.0	9.7	AM	7.9	7.4	6.9	6.4	
					PM	11.5	13.3	14.5	14.9	1
A	10-05	15.1	5.6	10.0	AM	8.9	8.3	7.7	7.2	
					PM	11.9	13.5	14.7	15.1	1
A	10-06	15.4	5.7	10.2	AM	8.7	8.2	7.6	7.1	
					PM	12.1	13.8	15.0	15.4	1
A	10-07	15.9	6.2	10.5	AM	9.0	8.5	8.1	7.6	
					PM	12.6	14.3	15.5	15.9	1
A	10-08	15.2	5.9	10.2	AM	8.9	8.3	7.8	7.3	
					PM	12.4	14.0	15.0	15.2	1
A	10-09	14.0	5.8	9.6	AM	8.9	8.5	7.9	7.4	
					PM	11.2	12.7	13.8	14.0	1
A	10-10	14.6	5.4	9.6	AM	8.0	7.6	7.2	6.7	
					PM	11.6	13.1	14.3	14.6	1
A	10-11	14.3	5.5	9.7	AM	8.3	7.8	7.3	6.9	
					PM	11.5	13.0	13.8	14.3	1
A	10-12	13.8	5.7	9.5	AM	8.7	8.1	7.5	7.1	
					PM	10.6	12.5	13.5	13.8	1
A	10-13	14.2	5.8	9.8	AM	8.5	8.0	7.5	7.1	
					PM	11.6	13.0	14.0	14.2	1
A	10-14	11.1	6.5	8.8	AM	8.8	8.3	7.8	7.4	
					PM	9.5	10.5	10.8	11.1	1
A	10-15	13.7	6.2	9.9	AM	8.5	8.1	7.7	7.4	
					PM	11.6	12.8	13.7	13.5	1
A	10-16	13.6	7.6	10.2	AM	10.0	9.7	9.4	9.2	
					PM	11.7	13.0	13.6	13.6	1
	10-17	7.6	5.2	6.2*	AM	7.6	7.1	6.7	6.3	
					PM					
	PERIOD	16.3	5.0							

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UNITED STATES DEPARTMENT OF THE INTERIOR - [illegible]
PRIMARY COMPUTATIONS OF QUALITY [illegible]
DATA PROCESSING

[illegible]
RICEANCE CREEK BELOW RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	10-17	12.1	8.4	8.6	AM				
					PM	10.0	10.9	11.6	12.0
A	10-18	13.0	7.8	10.2	AM	9.4	9.1	9.1	9.0
					PM	11.2	12.1	12.8	13.0
A	10-19	13.2	8.7	10.5	AM	9.6	9.4	9.2	9.1
					PM	11.7	12.3	12.7	13.2
A	10-20	9.9	4.7	7.5	AM	9.9	9.6	9.3	9.0
					PM	8.7	8.8	8.2	7.5
	10-21	8.9	5.2	6.7	AM	5.3	5.5	5.6	5.7
					PM	7.5	8.1	8.8	8.9
A	10-22	10.3	2.8	6.2	AM	4.7	4.4	4.0	3.7
					PM	7.9	9.1	10.0	10.3
A	10-23	11.5	4.0	7.4	AM	5.6	5.3	5.0	4.7
					PM	9.0	10.5	11.3	11.5
A	10-24	10.9	4.3	7.3	AM	6.7	6.3	5.8	5.4
					PM	8.1	9.5	10.3	10.9
A	10-25	11.9	4.5	7.8	AM	6.4	6.0	5.6	5.2
					PM	9.3	10.7	11.5	11.9
A	10-26	12.2	5.8	8.5	AM	7.3	7.0	6.7	6.5
					PM	10.2	11.8	12.2	12.2
A	10-27	10.9	4.5	7.3	AM	7.3	6.8	6.4	5.9
					PM	8.6	9.8	10.6	10.9
A	10-28	9.3	3.3	6.2	AM	5.6	5.1	4.7	4.3
					PM	7.1	8.2	9.0	9.3
	10-29	6.5	4.4	5.3	AM	6.5	6.3	6.0	5.9
					PM	4.7	5.1	5.3	5.6
	10-30	7.1	2.9	4.6	AM	4.1	3.8	3.4	3.1
					PM	5.9	6.6	7.1	6.9
A	10-31	6.7	.7	3.4	AM	2.8	2.4	2.0	1.7
					PM	4.7	6.1	6.6	6.7
A	11-01	6.6		3.1	AM	2.1	1.7	1.4	1.0
					PM	3.9	5.2	6.0	6.4
A	11-02	7.5	1.3	4.1	AM	3.3	3.1	2.7	2.4
					PM	5.1	6.2	7.0	7.5
A	11-03	7.4	1.6	4.2	AM	3.0	2.5	2.2	1.8
					PM	5.5	6.3	7.0	7.4
A	11-04	7.8	3.4	5.3	AM	4.7	4.5	4.2	4.0
					PM	6.0	7.0	7.6	7.8
A	11-05	8.3	2.7	5.2	AM	4.8	4.4	4.1	3.7
					PM	6.3	7.3	7.9	8.3
A	11-06	8.5	2.2	5.3	AM	4.3	3.9	3.5	3.1
					PM	6.2	7.5	8.1	8.5
	11-07	7.6	4.8	6.2	AM	5.5	5.3	5.1	5.0
					PM	7.2	7.3	7.5	7.6
	11-08	7.7	4.3	5.7	AM	5.2	5.0	4.7	4.5
					PM	6.3	6.8	7.4	7.7

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306087
PICEANCE CREEK BELOW RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4
	11-09	7.4	4.0	5.5	AM	5.0	4.8	4.6	4.4
					PM	6.2	6.8	7.2	7.4
A	11-10	7.2	2.2	4.7	AM	5.1	4.7	4.3	3.9
					PM	5.2	6.1	6.6	6.9
	11-11	6.2	3.2	4.4	AM	4.2	3.9	3.7	3.5
					PM	5.0	5.5	6.0	6.2
A	11-12	6.3	.7	3.4	AM	3.1	2.8	2.4	2.0
					PM	4.3	5.3	6.0	6.3
A	11-13	6.5	.7	3.4	AM	2.9	2.5	2.0	1.7
					PM	4.4	5.4	6.2	6.5
A	11-14	7.0	.7	2.9*	AM	2.9	2.5	2.2	1.9
					PM	4.1	5.1	5.8	6.1
	PERIOD	13.2							

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% - LIMIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306007 - PICEANCE CREEK BELOW RIO BLANCO. CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA. WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	TEMPERATURE (DEG C)	AGENCY ANALYZING SAMPLE (CODE NUMBER)	WEATHER (WMO CODE NUMBER)	SURFACE AREA (SQ MI)	STREAMFLOW, INSTANTANEOUS (CFS)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PH (UNITS)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)
OCT												
25...	1115	5.0	80020	1	177	--	15	1350	10.2	--	8.0	10
NOV												
21...	1100	1.5	80020	1	177	8.4	4	1140	10.5	--	8.1	6.6
DEC												
05...	1145	.0	80020	1	177	--	--	1100	10.6	11	8.4	--
JAN												
18...	1100	4.0	80020	1	177	--	7	1150	10.8	--	8.3	4.0
FEB												
21...	1030	3.0	80020	1	177	--	6	1100	10.5	--	8.4	3.4
APR												
04...	1145	6.0	80020	--	177	--	5	1080	10.6	--	8.3	3.8
18...	1100	9.0	80020	1	177	--	70	630	9.0	80	7.6	12

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306007 - PICEANCE CREEK BELOW RIO BLANCO, CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ALKALINITY (MG/L AS CACO3)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)
OCT												
25...	530	640	0	--	1.1	--	.99	.70	.01	.01	.01	.04
NOV												
21...	430	520	0	--	1.3	--	.54	.49	.02	.02	.01	.74
DEC												
05...	--	--	--	0	--	--	--	--	--	--	--	--
JAN												
18...	410	500	0	--	1.6	1.1	1.1	.47	.06	.04	.02	.49
FEB												
21...	430	450	39	--	.73	.64	.38	.28	.02	.02	.02	.31
APR												
04...	390	480	0	--	.55	.61	.24	.23	.00	.01	.02	.28
18...	240	290	0	0	2.8	1.8	1.8	.90	.10	.08	.06	.87

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306007 - PICEANCE CREEK BELOW RIO BLANCO, CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT												
25...	.71	--	1.0	.05	.09	.15	.09	.05	.03	6.4	.5	--
NOV												
21...	.51	--	.56	.75	.53	.09	.03	.03	.01	5.0	.6	--
DEC												
05...	--	--	--	--	--	--	--	--	--	--	--	.00
JAN												
18...	.53	--	1.1	.51	.53	.21	.03	.07	.01	4.9	.5	--
FEB												
21...	.30	--	.40	.33	.34	.18	.12	.06	.04	5.6	.5	--
APR												
04...	.23	--	.25	.30	.38	.06	.00	.02	.00	8.7	.6	--
18...	1.0	.90	1.9	.93	.82	1.8	.03	.59	.01	15	11	.00

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306007 - PICEANCE CREEK BELOW RIO BLANCO, CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SULFIDE TOTAL (MG/L AS S)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM ADSORPTION RATIO	SODIUM PERCENT	POTASSIUM, DISSOLVED (MG/L AS K)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)
OCT												
25...	--	430	0	79	57	170	3.6	46	4.0	18	230	.8
NOV												
21...	--	380	0	63	55	120	2.7	40	2.8	11	190	.9
DEC												
05...	.1	--	--	--	--	--	--	--	3.0	--	--	--
JAN												
18...	--	350	0	67	44	120	2.8	43	3.1	21	180	1.0
FEB												
21...	--	400	0	83	46	120	2.6	40	2.7	15	180	1.0
APR												
04...	--	350	0	67	44	110	2.6	41	2.6	16	170	1.0
18...	.0	240	7	53	27	70	2.0	38	3.5	8.4	120	.5

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306007 - PICEANCE CREEK BELOW RIO BLANCO, CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BORON, DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)
OCT												
25...	16	2	--	--	--	--	250	--	--	--	--	--
NOV												
21...	14	2	--	--	--	--	240	--	--	--	--	--
DEC												
05...	--	--	100	--	--	--	--	<1	0	--	--	--
JAN												
18...	16	2	--	--	--	--	210	--	--	--	--	--
FEB												
21...	14	2	--	--	--	--	210	--	--	--	--	--
APR												
04...	14	2	--	--	--	--	190	--	--	--	--	--
18...	11	3	100	0	10	10	250	8	0	0	19	19

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306007 - PICEANCE CREEK BELOW RIO BLANCO, CO.

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WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	MOLYB-DENUM, SUS-PENDED RECOV. (UG/L AS MO)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)
OCT												
25...	--	30	--	130	--	--	--	--	--	--	--	--
NOV												
21...	--	260	--	60	--	--	--	--	--	--	--	--
DEC												
05...	6	--	4	--	6	--	--	--	--	--	--	1400
JAN												
18...	--	20	--	50	--	--	--	--	--	--	--	--
FEB												
21...	--	30	--	60	--	--	--	--	--	--	--	--
APR												
04...	--	10	--	70	--	--	--	--	--	--	--	--
18...	15	480	4	60	3	1	4	5	44	49	0	720

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306007 - PICEANCE CREEK BELOW RIO BLANCO, CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ZINC, DIS-SOLVED (UG/L AS ZN)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ALUM-INUM, SUS-PENDED, RECOV. (UG/L AS AL)	LITHIUM DIS-SOLVED (UG/L AS LI)	LITHIUM SUS-PENDED RECOV-ERABLE (UG/L AS LI)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ODOR, ATMOS-PHERIC (SEVER-ITY)	GROSS ALPHA, DIS-SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)
OCT												
25...	--	--	--	--	--	--	--	--	0	--	--	--
NOV												
21...	--	--	--	--	--	--	--	--	0	--	--	--
DEC												
05...	20	--	20	--	10	--	--	1	0	--	--	<3.7
JAN												
16...	--	--	--	--	--	--	--	--	0	--	--	--
FEB												
21...	--	--	--	--	--	--	--	--	0	--	--	--
APR												
04...	--	--	--	--	--	--	--	--	--	4.8	100	4.4
18...	40	500	410	90	4	100	100	2	0	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306007 - PICEANCE CREEK BELOW RIO BLANCO. CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, (COLS. PER 100 ML)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)
OCT												
25...	--	--	--	--	--	--	.10	891	--	1.21	.05	--
NOV												
21...	--	--	--	--	--	--	.20	716	16	.97	.01	--
DEC												
05...	1.6	.08	--	57	K1800	0	--	--	--	--	--	--
JAN												
18...	--	--	--	--	--	--	.00	701	--	.95	.02	--
FEB												
21...	--	--	--	--	--	--	.00	725	--	.99	.01	--
APR												
04...	83	.07	--	--	--	--	.00	663	--	.90	.01	--
18...	--	--	400	260	420	0	.00	442	--	.60	.12	.10

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306007 - PICEANCE CREEK BELOW RIO BLANCO, CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	BROMIDE DISSOLVED (MG/L AS BR)	PHOSPHORUS TOTAL (MG/L AS PO4)	NITROGEN, TOTAL (MG/L AS NO3)	MERCURY DISSOLVED (UG/L AS HG)	ELEV. OF LAND SURFACE DATUM (FT. NGVD)	URANIUM DISSOLVED, EXTRACTION (UG/L)	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)
OCT											
25...	.01	--	--	4.6	--	6366.00	--	--	--	--	--
NOV											
21...	.03	--	--	5.8	--	6366.00	--	--	--	--	--
DEC											
05...	--	.2	--	--	.0	6366.00	3.2	<7.8	1.9	<3.5	1.5
JAN											
18...	.08	--	--	7.1	--	6366.00	--	--	--	--	--
FEB											
21...	.03	--	--	3.2	--	6366.00	--	--	--	--	--
APR											
04...	.00	--	--	2.4	--	6366.00	2.6	7.0	150	4.2	73
18...	.13	.1	1.8	13	.0	6366.00	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306007 - PICEANCE CREEK BELOW RIO BLANCO, CO.

PROCESS DATE 10/15/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	TEMPER-ATURE (DEG C)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	SURFACE AREA (SQ MI)	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	OXYGEN, DIS-SOLVED (MG/L)	PH (UNITS)	GROSS ALPHA, DIS-SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)
JUL 17...	1540	20.0	80020	177	14	1250	6.2	7.5	<8.8	12

DATE	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	ELEV. OF LAND SURFACE DATUM (FT. NGVD)	URANIUM DIS-SOLVED, EXTRAC-TION (UG/L)	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)
JUL 17...	<4.9	6.9	.11	6366.00	3.2	<13	17	<4.6	6.2

USGS WATER GAUGING STATION 09306022
Stewart Gulch Above West Fork

A. DAILY TABLES

1. Discharge (Flow)
2. Dissolved Oxygen
3. pH
4. Specific Conductance
5. Temperature

B. WATER QUALTIY DATA
PROCESS DATE 9/13/79
10/15/79

STEWART GULCH ABOVE WEST FORK GULCH NR RIO BLANCO 1979

09306200

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

File Number { Washington / District

Daily Gage Height, in Feet, and Discharge, in Second-Feet, of STEWART GULCH AB WEST FORK GL. River / Creek

Near RIO BLANCO, COLO for the Year Ending September 30, 1979

Used rating table dated NO 1

Drainage Area 59.4 Square Miles. Water-Stage Recorder CONTINUOUS Ratio 1 : 6 Gage Read to Once / Twice a Day by

Gage heights used to half tenths between and hundredths below and tenths above these limits. fe

Day	October Gage height	October Discharge	November Gage height	November Discharge	December Gage height	December Discharge	January Gage height	January Discharge	February Gage height	February Discharge	March Gage height	March Discharge
1	2.63	.72	2.65	.76	2.68	1.2	"a"	1.4	"a"	1.2	2.67	1.3
2	2.63	.72	2.65	.76	2.68	1.2		1.3		1.2	2.67	1.3
3	2.64	.76	2.65	.76	"a"	1.3	"a"	1.3	Clock Stoppage	1.2	2.67	1.3
4	2.64	.76	2.65	.76	Stopped	1.3	2.65	1.2		1.2	2.67	1.3
5	2.64	.76	2.65	.76	2.69	1.4	2.66	1.3		1.2	2.68	1.4
6	2.65	.82	2.65	.82	2.69	1.4	2.67	1.4		1.2	2.68	1.4
7	2.65	.82	2.65	.82	2.69	1.4	2.67	1.4		1.2	2.68	1.4
8	2.65	.82	2.65	.82	2.69	1.4	"a"	1.3	"a"	1.2	2.68	1.4
9	2.66	.87	2.66	.87	2.69	1.4	2.66	1.3	2.65	1.2	2.68	1.4
10	2.66	.87	2.66	.87	2.69	1.4	2.65	1.2	2.60	1.3	2.68	1.4
11	2.66	.87	2.67	.93	2.68	1.3	2.65	1.2	2.60	1.3	2.68	1.4
12	2.66	.87	2.68	1.0	2.68	1.3	2.66	1.3	2.67	1.4	2.69	1.5
13	2.66	.87	2.67	.93	"a"	1.3	2.66	1.3	2.67	1.4	2.69	1.5
14	2.66	.82	2.68	1.0	Clock Stoppage	1.3	2.66	1.3	2.67	1.4	2.69	1.5
15	2.65	.76	2.68	1.0		1.3	2.66	1.3	2.68	1.5	2.69	1.5
16	2.64	.72	2.69	1.1		1.3	2.66	1.3	2.68	1.5	2.69	1.5
17	2.64	.72	2.69	1.1		1.3	2.66	1.3	"a"	1.5	2.69	1.5
18	2.64	.72	2.69	1.1		1.3	2.65	1.2	Clock Stoppage	1.5	2.69	1.5
19	2.63	.66	2.69	1.1	"a"	1.3	2.64	1.1		1.4	2.70	1.6
20	2.64	.72	2.70	1.2	2.67	1.3	2.64	1.1		1.4	2.70	1.6
21	2.64	.72	2.69	1.2	2.67	1.3	2.64	1.1	"a"	1.4	2.69	1.5
22	2.64	.72	2.68	1.1	2.68	1.4	2.64	1.1	2.67	1.4	2.69	1.5
23	2.64	.72	2.69	1.2	2.67	1.3	"a"	1.1	2.67	1.4	2.68	1.4
24	2.65	.76	2.69	1.2	2.67	1.3		1.1	2.67	1.4	2.68	1.4
25	2.65	.76	2.69	1.2	2.67	1.3		1.1	Clock Stoppage "a"	1.4	2.68	1.4
26	2.66	.82	2.70	1.3	2.68	1.4		1.1	Stopped	1.3	2.68	1.4
27	2.66	.82	2.70	1.4	2.68	1.4		1.1	2.67	1.3	2.68	1.4
28	2.66	.82	2.69	1.3	2.68	1.4		1.1	2.67	1.3	2.68	1.4
29	2.66	.82	2.69	1.3	2.69	1.5		1.1			2.69	1.5
30	2.67	.87	2.68	1.2	2.69	1.5		1.1			2.69	1.4
31	2.66	.82			"a"	1.4	"a"	1.2			2.69	1.4
Total		24.3		30.86		41.6		37.7		37.3		44.4

Day	April Gage height	April Discharge	May Gage height	May Discharge	June Gage height	June Discharge	July Gage height	July Discharge	August Gage height	August Discharge	September Gage height	September Discharge
1	2.68	1.3	2.71	1.5	2.73	1.8	2.70	1.4	2.48	.20	2.65	.66
2	2.69	1.4	2.72	1.6	2.73	1.8	2.70	1.4	2.48	.20	2.65	.66
3	2.69	1.4	2.73	1.7	2.73	1.8	2.70	1.4	2.48	.20	2.65	.66
4	2.69	1.4	2.72	1.6	2.73	1.8	2.70	1.4	S	0.75	2.66	.72
5	2.69	1.4	2.73	1.6	2.73	1.8	2.70	1.4	2.68	1.0	2.66	.72
6	2.69	1.4	2.73	1.6	2.73	1.8	2.70	1.4	2.68	1.0	2.66	.72
7	2.69	1.4	2.74	1.7	2.73	1.8	2.70	1.4	2.68	1.0	2.66	.66
8	2.69	1.4	2.73	1.6	2.73	1.8	2.70	1.4	2.69	1.1	2.67	.72
9	2.69	1.4	2.73	1.6	2.73	1.8	2.70	1.4	2.70	1.2	2.67	.72
10	2.69	1.4	2.73	1.6	2.73	1.8	2.70	1.4	2.69	1.1	2.67	.72
11	2.70	1.4	2.74	1.7	2.73	1.8	2.69	1.3	2.69	1.1	2.67	.72
12	2.70	1.4	2.74	1.7	2.72	1.7	2.69	1.3	2.69	1.0	2.67	.72
13	2.70	1.4	2.74	1.7	2.72	1.7	2.69	1.3	2.69	1.0	2.67	.72
14	2.70	1.4	2.74	1.7	2.72	1.7	2.69	1.3	2.70	1.1	2.68	.72
15	2.70	1.4	2.74	1.7	2.72	1.7	2.70	1.4	2.70	1.1	2.68	.72
16	2.69	1.3	2.74	1.7	2.72	1.7	2.70	1.4	2.69	1.1	2.69	.76
17	2.69	1.3	2.75	1.8	2.72	1.7	2.70	1.4	2.67	.93	2.69	.76
18	2.69	1.3	2.75	1.8	2.72	1.7	2.70	1.4	2.67	.93	2.69	.76
19	2.70	1.4	2.75	1.8	2.72	1.7	2.70	1.4	2.66	.87	2.70	.82
20	2.70	1.4	2.75	1.8	2.72	1.7	2.71	1.5	2.66	.82	2.70	.76
21	2.70	1.4	2.76	2.0	2.72	1.7	2.71	1.5	2.66	.82	2.70	.76
22	2.70	1.4	2.73	1.6	2.72	1.7	2.71	1.5	2.66	.82	2.70	.76
23	2.70	1.4	2.73	1.6	2.71	1.6	2.70	1.3	2.67	.87	2.70	.76
24	2.70	1.4	2.73	1.7	2.71	1.5	2.70	1.3	2.67	.87	2.71	.82
25	2.69	1.3	2.73	1.7	2.70	1.4	S	5.5	2.67	.87	2.71	.82
26	2.69	1.3	2.73	1.7	2.70	1.4	S	3.9	2.67	.82	2.72	.82
27	2.68	1.2	2.73	1.7	2.70	1.4	2.49	.25	2.66	.76	2.72	.82
28	2.68	1.2	2.73	1.7	2.70	1.4	2.49	.25	2.66	.76	2.72	.82
29	2.69	1.3	2.73	1.8	2.70	1.4	2.49	.25	2.66	.76	2.75	1.0
30	2.69	1.3	2.73	1.8	2.70	1.4	2.49	.25	2.66	.76	2.77	1.1
31			2.73	1.8			2.49	.25	2.65	.72		
Total		40.8		52.626		50.0		43.95		26.53		22.9

Quarter	Day	Computed	Checked
Fourth	1		
Third	2		
Second	3		
First	4		
Quarter	5		
Fourth	6		
Third	7		
Second	8		
First	9		
Quarter	10		
Fourth	11		
Third	12		
Second	13		
First	14		
Quarter	15		
Fourth	16		
Third	17		
Second	18		
First	19		
Quarter	20		
Fourth	21		
Third	22		
Second	23		
First	24		
Quarter	25		
Fourth	26		
Third	27		
Second	28		
First	29		
Quarter	30	water	
	31	1979	

Total 452.97

Disch. applied ..... Disch. checked .....

G. H. computed ..... G. H. checked .....

II A-100

DISCHARGE, IN CFS, WATER YEAR 1980, MEAN VALUES, FOR

STEWART GL ABV W F 09306022 WY 1980 MEAN DAILY DISCHARGE

	Oct.	Nov.
1	1.20	1.80
2	1.40	1.70
3	1.50	1.70
4	1.60	1.70
5	1.80	1.80
6	1.80	1.90
7	1.70	2.00
8	1.70	2.00
9	2.50	2.00
10	2.50	2.00
11	2.50	2.20
12	2.50	2.00
13	2.00	2.00
14	1.60	2.00
15	1.50	
16	1.50	
17	1.60	
18	1.50	
19	1.60	
20	1.70	
21	1.70	
22	1.70	
23	1.70	
24	1.50	
25	1.40	
26	1.40	
27	1.40	
28	1.30	
29	1.30	
30	1.30	
31	1.60	
TOTAL	52.00	0.00

Coding Form for Input and [illegible]ate of Daily Values--Continued

Par Code 00300 D.O. MAX mg

Station i[illegible] ification number 09306022 Stewart Gulch Water year 1980 Stat Code 00001

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1		12.1					1							1
	2		12.1					2							2
	3		12.4					3							3
	4	999999	12.6					4							4
	5		12.6					5							5
	6		12.9					6							6
	7		12.1					7							7
	8		12.1					8							8
Card No. 02	9		12.4					9							9
	10		12.5					10							10
	11		12.2					11							11
	12		12.6					12							12
	13		12.5					13							13
	14		12.6					14							14
	15							15							15
	16							16							16
Card No. 03	17	999999						17							17
	18	11.9						18							18
	19	12.1						19							19
	20	10.5						20							20
	21	12.1						21							21
	22	11.9						22							22
	23	11.7						23							23
	24	11.9						24							24
Card No. 04	25	11.8						25							25
	26	12.2						26							26
	27	12.2						27							27
	28	12.5						28							28
	29	11.8						29							29
	30	12.5				-------		30							30
	31	12.5	-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1) Water year [ ] (17–20) Total value (sum of daily value entries) [ ] (21–32)

Remarks

GPO : 1971 O - 442-477

Coding Form for Input and [illegible]date of Daily Values--Continued

Par Code 00300 D.O.

Station identification number 09306022 Stewart Gulch

Water year _____ Stat Code 00002 Min

mg/l

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1		8					1							1
	2		8					2							2
	3		7.8					3							3
	4	999999	7.7					4							4
	5		7.9					5							5
	6		7.5					6							6
	7		7.4					7							7
	8		7.5					8							8
Card No. 02	9		7.5					9							9
	10		7.5					10							10
	11		7.8					11							11
	12		7.9					12							12
	13		7.8					13							13
	14		8.2					14							14
	15							15							15
	16							16							16
Card No. 03	17	999999						17							17
	18	7.4						18							18
	19	7.2						19							19
	20	7.4						20							20
	21	7.9						21							21
	22	8.0						22							22
	23	7.6						23							23
	24	7.6						24							24
Card No. 04	25	7.5						25							25
	26	7.2						26							26
	27	7.8						27							27
	28	7.5						28							28
	29	7.6						29							29
	30	8.1				-------		30							30
	31	8.2	-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1) Water year [ ] (17–20) Total value (sum of daily value entries) [ ] (21–32)

Remarks _____

GPO : 1971 O - 442-477

Coding Form for Input and [illegible]late of Daily Values--Continued

Par Code 00300 D.O.

Station identification number 09306022 Stewart Gulch

Water year 1980

Stat Code 00003 MEAN

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1		9.6					1							1
	2		9.5					2							2
	3		9.8					3							3
	4	999999	9.2					4							4
	5		9.4					5							5
	6		9.5					6							6
	7		8.7					7							7
	8		9					8							8
Card No. 02	9		9.1					9							9
	10		9.2					10							10
	11		9.2					11							11
	12		9.5					12							12
	13		9.4					13							13
	14		9.8					14							14
	15							15							15
	16							16							16
Card No. 03	17	999999						17							17
	18	9.1						18							18
	19	8.7						19							19
	20	8.5						20							20
	21	9.3						21							21
	22	9.5						22							22
	23	9.2						23							23
	24	9.2						24							24
Card No. 04	25	9						25							25
	26	8.9						26							26
	27	9.2						27							27
	28	9.3						28							28
	29	9						29							29
	30	9.5				-------		30							30
	31	9.6	-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type: T (1)

Water year: 17 – 20

Total value (sum of daily value entries): 21 – 32

Remarks

GPO : 1971 O - 442-477

L. MAX (mg/l)

Coding Form for Input and Update of Daily Values--Continued

Station identification number ~~09306022 Stewart Gulch~~ Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	9.0					10.4	1	999999						1
	2	9.1					10.1	2			9.4				2
	3	9.7					10.4	3							3
	4	9.4				999999	10.2	4			9.0				4
	5	9.5					11.0	5							5
	6	9.8					10.2	6							6
	7	9.5					no data	7							7
	8	9.5		NO DATA				8							8
Card No. 02	9	9.5						9		999999					9
	10	8.9		FROZE				10							10
	11	9.5						11	999999	999999					11
	12	9.1						12		999999					12
	13	9.2						13			9.5				13
	14	9.2						14			9.6				14
	15	9.3						15			9.7				15
	16	9.6						16			9.5				16
Card No. 03	17	9.3			NO DATA FROZE			17			9.4				17
	18	9.1			999999			18							18
	19	9.1						19			9.3				19
	20					~~999999~~ 11.6		20			9.5				20
	21					11.3		21			9.5				21
	22	No Data				11.2		22			9.4				22
	23					12.1		23			9.4				23
	24					12.4		24							24
Card No. 04	25					12.0		25							25
	26					11.4		26							26
	27					11.2		27							27
	28					10.8	999999	28							28
	29					—		29		9.3					29
	30					-------		30		9.5					30
	31		-------			-------	999999	31	-------	9.7	-------			-------	31

TOTAL CHECK CARD

Type: T (1) Water year: 1979 (17–20) Total value (sum of daily value entries) (21–32)

Total Units 00300

State Code 00001

PRELIMINARY RECORD SUBJECT TO REVISION

Remarks

GPO : 1971 O - 442-477

D.O. min (mg/l)

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306022 Stewart Gulch Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	5.0				999999	8.0	1	999999						1
	2	5.6				999999	7.9	2			8.6				2
	3	5.6				999999	8.0	3	999999						3
	4	5.3				999999	8.4	4			8.3				4
	5	4.4					7.9	5							5
	6	5.1					7.6	6							6
	7	4.5					NO data	7							7
	8	4.2		NO DATA				8							8
Card No. 02	9	3.5				999999		9		999999					9
	10	3.8				999999		10							10
	11	3.6						11	999999	999999					11
	12	3.4				999999		12	9.2	999999					12
	13	3.7				999999		13			8.4				13
	14	3.7						14			8.5				14
	15	3.4						15			8.6				15
	16	4.2						16			8.5				16
Card No. 03	17	3.8			NO DATA			17			8.3				17
	18	4.3			999999			18							18
	19	6.2			999999			19			8.4				19
	20					~~999999~~ 8.3		20			8.4				20
	21					8.6		21		8.5	8.3				21
	22	NO DATA			999999	8.3		22			8.2				22
	23					8.6		23			8.4				23
	24				999999	9.2		24							24
Card No. 04	25				999999	9.0		25							25
	26				999999	8.4		26							26
	27				999999	8.2		27							27
	28					8.2	999999	28							28
	29					—		29		8.6					29
	30				999999	-------		30		8.4					30
	31		-------		999999	-------	999999	31	-------	8.8	-------			-------	31

TOTAL CHECK CARD

Type	Water year	Total value (sum of daily value entries)
T	1979	
1	17 20	21 32

Par Code 00300

Stat Code 00001

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

GPO : 1971 O - 477

D.O. mean (mg/l)

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306022 Stewart Gulch Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	7.0					8.8	1	999999						1
	2	7.1					8.7	2			8.9				2
	3	7.6					9.0	3							3
	4	7.4				999999	8.9	4			8.6				4
	5	6.9					8.9	5							5
	6	7.2					8.7	6							6
	7	6.9						7							7
	8	6.7		NO DATA				8							8
Card No. 02	9	6.5				999999		9		999999					9
	10	6.1						10							10
	11	5.3						11	999999	999999					11
	12	6.0						12	9.4	999999					12
	13	5.7						13			8.8				13
	14	4.8						14			8.9				14
	15	5.1						15			9.0				15
	16	6.4						16			8.9				16
Card No. 03	17	6.0			NO DATA			17			8.8				17
	18	6.0			999999			18							18
	19	7.0						19			8.8				19
	20					~~999999~~ 9.5		20			8.9				20
	21					9.3		21			8.8				21
	22	No Data				9.5		22			8.8				22
	23					10.1		23			8.9				23
	24					10.3		24							24
Card No. 04	25					10.1		25							25
	26					9.6		26							26
	27					9.4		27							27
	28					9.2	999999	28							28
	29					—		29		8.8					29
	30					-------		30		8.9					30
	31		-------			-------	999999	31	-------	9.1	-------			-------	31

TOTAL CHECK CARD

Type: T (1) Water year: 1979 (17–20) Total value (sum of daily value entries) (21–32)

Par Code 00300

Stat Code 00003

PRELIMINARY RECORD SUBJECT TO REVISION

Remarks

GPO : 1971 O 442-477

UNITED STATES DEP
PRIM

09306022
STEWART GULCH AB WEST FORK, NEAR
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR

S	DATE	MAX	MIN	MEAN	
A	1-18	8.5	7.0	7.5*	AM
					PM
A	1-19	8.4	7.0	7.5	AM
					PM
A	1-20	8.4		5.1	AM
					PM
A	1-21	7.5		2.1	AM
					PM
A	1-22	3.4	1.4	2.4	AM
					PM
A	1-23	3.9		1.6	AM
					PM
	1-24	.3	.2	.2	AM
					PM
	1-25	.2	.2	.2	AM
					PM
	1-26	.3	.2	.2	AM
					PM
	1-27	.3	.2	.3	AM
					PM
	1-28	.2		.1	AM
					PM
A	1-29	10.6		5.1	AM
					PM
A	1-30	7.1	2.2	3.3	AM
					PM
A	1-31	9.6	2.1	4.0	AM
					PM
A	2-01	9.9	1.8	5.9	AM
					PM
A	2-02	11.5	7.8	9.2	AM
					PM
A	2-03	11.5	2.4	6.6	AM
					PM
A	2-04	9.1	.2	3.8	AM
					PM
PERIOD		11.5			

Probe malfunction

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLL
A - SUCCESSIVE RECORDED PUNCH R
R - ONE OR MORE INPUT VALUE IS
* - DAILY SUMMARY IS FOR AN INC
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEP
PRIM

09306022
STEWART GULCH AB WEST FORK, NEA
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR

S	DATE	MAX	MIN	MEAN	
A	2-09	8.7	5.4	6.4*	AM
					PM
A	2-10	8.0	.8	5.2	AM
					PM
A	2-11	7.2		3.3	AM
					PM
A	2-12	7.1	.4	3.7	AM
					PM
A	2-13	5.4	1.6	3.3	AM
					PM
A	2-14	5.3		2.3	AM
					PM
A	2-15	8.3		3.3	AM
					PM
A	2-16	6.2		2.4	AM
					PM
A	2-17	5.6		2.1	AM
					PM
A	2-18	6.9		2.3	AM
					PM
A	2-19	12.2		~~6.8~~	AM
					PM
A-2	2-20	11.6 ~~13.8~~	~~10.5~~ 8.3	11.5 OK 9.5	AM
					PM
A	2-21	11.3 ~~13.3~~	~~10.6~~ 8.6	11.3* OK 9.3	AM
					PM
PERIOD		13.6			

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLL
A - SUCCESSIVE RECORDED PUNCH R
R - ONE OR MORE INPUT VALUE IS
* - DAILY SUMMARY IS FOR AN INC
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPART
PRIMARY

09306022
STEWART GULCH AB WEST FORK, NEAR 4
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEA EN

S	DATE	MAX	MIN	MEAN	
	3-28	~~.2~~	~~.2~~	~~.2~~	AM
					PM
A	3-29	1[illegible].8	~~.2~~	3.7	AM
					PM
A	3-30	14.2	5.7	8.[illegible]	AM
			5.2		PM
A	3-31	13.[illegible]	~~3.4~~	[illegible].8	AM
					PM
A	4-01	~~6.2~~	~~3.4~~	~~5.5~~	AM
					PM
A	4-02	19.8		7.0	AM
					PM
A	4-03	19.8	[illegible]	3.2	AM
					PM
	4-04	.4	.4	.4	AM
					PM
	4-05	.4	.4	.4	AM
					PM
	4-06	.4	.4	.4	AM
					PM
	4-07	.4	.4	.4	AM
					PM
	4-08	.4	.4	.4	AM
					PM
	4-09	.4	.4	.4	AM
					PM
	4-10	.4	.4	.4	AM
					PM
	4-11	.4	.4	.4	AM
					PM
A	4-12	10.0	~~.4~~	~~4.9~~	AM
			9.2	9.4	PM
A	4-13	10.9	8.6	9.6	AM
					PM
A	4-14	10.1	8.5	9.2	AM
					PM
A	4-15	10.1	8.5	9.2	AM
					PM
A	4-16	10.0	8.6	9.2	AM
					PM
A	4-17	9.9	8.5	9.2	AM
					PM
A	4-18	9.9	8.6	9.2	AM
					PM
A	4-19	10.1	9.0	9.4	AM

BAD PROBE DELETE

 PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT
PRIMARY COMP

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BL
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING

S	DATE	MAX	MIN	MEAN		1
					PM	9.8
A	4-20	10.4	9.0	9.6	AM	9.3
					PM	10.1
A	4-21	10.3	8.9	9.6	AM	9.2
					PM	9.8
A	4-22	10.5	8.8	9.6	AM	9.2
					PM	10.5
A	4-23	10.7	8.9	9.7	AM	9.1
					PM	10.5
A	4-24	10.8	8.9	9.7	AM	9.1
					PM	10.6
A	4-25	10.9	9.2	9.8	AM	9.2
					PM	10.0
A	4-26	10.8	9.2	9.9	AM	9.4
					PM	10.7
A	4-27	10.7	9.0	9.9	AM	9.5
					PM	10.7
A	4-28	10.9	9.2	9.9	AM	9.4
					PM	10.8
A	4-29	10.9	9.3	10.0	AM	9.5
					PM	10.9
A	4-30	11.2	9.3	10.1	AM	9.6
					PM	11.2
A	5-01	10.8	9.4	9.8*	AM	9.4
					PM	10.4
PERIOD		19.8				

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING M
A - SUCCESSIVE RECORDED PUNCH READINGS
R - ONE OR MORE INPUT VALUE IS OUTSIDE
* - DAILY SUMMARY IS FOR AN INCOMPLETE
% - UNIT VALUES RECORD WRITTEN

SHIFT PRORA

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGI
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSE

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	5-01	10.5	8.4	9.5	AM				
					PM	10.4	10.1	9.8	10.0
A	5-02	10.2	8.6	8.9	AM	8.6	8.6	8.7	8.6
					PM	8.9	9.1	9.0	9.0
A	5-03	10.5	8.7	9.4	AM	8.7	8.8	8.8	8.9
					PM	10.4	10.4	9.9	9.8
A	5-04	10.3	8.6	9.3	AM	9.0	9.1	9.0	9.1
					PM	10.0	9.9	9.8	9.6
A	5-05	10.3	8.4	9.2	AM	8.7	8.8	8.8	8.8
					PM	10.3	10.0	9.9	9.5
A	5-06	9.9	8.6	9.1*	AM	8.6	8.6	8.6	8.6
					PM	9.9	9.9	9.6	9.5
PERIOD		10.5	8.4						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN [illegible]E
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERS
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOG
PRIMARY COMPUTATIONS OF QUALITY OF W
DATA PROCESSI

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	5-07	9.8	8.7	9.1*	AM				
					PM	9.8	9.6	9.6	9.5
A	5-08	10.0	8.3	9.0	AM	8.8	8.6	8.8	8.8
					PM	9.8	9.8	9.1	8.5
A	5-09	INSUFFICIENT DATA ~~8.7~~	~~9.2~~	~~8.5*~~	AM	8.2	8.3	8.5	8.5
					PM				
PERIOD		10.0	8.2						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERS
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGI
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSE

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	5-11	~~9.5~~	~~8.4~~	~~8.9~~*	AM		m 9.4		
		INSUFFICIENT DATA			PM		9.5	9.1	8.8
	5-12.	~~8.8~~	~~8.8~~	~~8.8~~*	AM	8.8	8.8	8.8	8.8
					PM				
PERIOD		9.5	8.4						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERS
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOL
PRIMARY COMPUTATIONS OF QUALITY OF
DATA PROCESS

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	5-17	8.8	8.4	8.6*	AM				
					PM			8.8	8.5
A	5-18	9.4	8.2	8.8	AM	8.7	8.7	8.6	8.7
					PM	8.9	9.0	8.6	8.5
A	5-19	9.4	8.4	8.8	AM	8.7	8.7	8.7	8.8
					PM	8.9	8.8	8.7	8.7
A	5-20	9.3	8.4	8.7	AM	8.7	8.7	8.7	8.5
					PM	8.8	8.7	8.6	8.5
A	5-21	9.2	~~8.6~~ 8.5	8.7	AM	8.6	8.7	8.6	8.6
					PM	8.8	8.5	8.7	8.5
A	5-22	9.4	8.4	8.8	AM	8.7	8.8	8.8	8.8
					PM	8.9	8.8	8.6	8.5
PERIOD		9.4	8.0						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVE
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEO
PRIMARY COMPUTATIONS OF QUALITY
DATA PROCE

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	5-24	9.3	8.3	8.7*	AM				
					PM	8.7	8.9	8.8	8.8
A	5-25	9.6	8.5	8.9*	AM	8.5	8.5	8.5	8.5
					PM	8.6	9.0	8.9	9.2
PERIOD		9.6	8.3						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN T
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVE
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL
PRIMARY COMPUTATIONS OF QUALITY OF WATER
DATA PROCESSED 0

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PAR

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

VAL

S	DATE	MAX	MIN	MEAN		1	2	3	4	
	7-11	8.9	8.4	8.6*	AM					
					PM	8.8	8.8	8.6	8.6	R
A	7-12	9.2	8.2	8.6	AM	8.6	8.6	8.6	8.6	R
					PM	8.7	8.7	8.6	8.2	R
A	7-13	9.1	8.2	8.5	AM	8.4	8.6	8.6	8.6	R
					PM	8.7	8.6	8.4	8.4	R
A	7-14	9.1	8.2	8.5	AM	8.4	8.4	8.6	8.6	R
					PM	8.4	8.7	8.2	8.6	R
A	7-15	9.0	8.1	8.5	AM	8.4	8.4	8.4	8.4	R
					PM	8.6	8.1	8.1	8.8	R
A	7-16	9.0	8.0	8.5	AM	8.4	8.4	8.5	8.4	R
					PM	8.5	8.5	8.0	8.0	R
A	7-17	9.0	8.3	8.6*	AM	8.4	8.5	8.4	8.4	R
					PM	8.3	8.6			
	PERIOD	9.2	8.0				FM 8.6			

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SPE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSION
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATE

09306022
STEWART GULCH AB WEST FORK
DISSOLVED OXYGEN (DO), MG/

PROVISIONAL DATA FOR WATER

S	DATE	MAX	MIN	MEAN	
A	7-17	8.8	8.2	8.6	AM
A	7-18	9.4	8.4	8.8	
A	7-19	9.2	8.4	8.8	AM
A	7-20	9.2	8.0	8.7	AM
A	7-21	9.2	8.2	8.6	AM
A	7-22	9.0	8.0	8.5	
A	7-23	9.0	8.0	8.5	AM
A	7-24	9.0	8.0	8.5	AM
	7-25	8.8	7.2	8.2	
A	7-26	8.6	~~6.8~~ 7.4	7.7	AM
A	7-27	8.6	7.2	7.7	
A	7-28	8.6	~~6.8~~ 7.2	7.5	AM
A	7-29	8.6	7.0	7.8	
A	7-30	8.8	7.0	7.8	AM
A	7-31	9.2	7.0	8.1	AM
A	8-01	9.8	6.8	8.3	AM
A	8-02	10.6	6.8	8.5	
A	8-03	11.6	6.8	8.8	AM
A	8-04	9.2	7.0	7.9	AM
	8-05	8.6	7.8	8.2	
	8-06	8.4	7.8	8.0	AM
A	8-07	8.4	7.6	8.0	
A	8-08	8.4	7.6	8.0	AM

UNITED STATES DEP
PRIM

09306022
STEWART GULCH AB WEST FORK, NEA
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR

S	DATE	MAX	MIN	MEAN	
					PM
A	8-09	8.4	7.8	8.0	AM
					PM
	8-10	8.4	7.6	7.9	AM
					PM
A	8-11	8.4	7.6	8.0	AM
					PM
A	8-12	8.4	7.4	7.9	AM
					PM
	8-13	8.2	7.4	7.8	AM
					PM
A	8-14	8.6	7.6	7.9	AM
					PM
A	8-15	8.4	7.2	7.8	AM
					PM
A	8-16	8.0	~~6.8~~ 7.4	7.3*	AM
					PM
	PERIOD	11.6	6.0		

NOTE.- SYMBOLS USED ABOVE HAVE THE FOL
A - SUCCESSIVE RECORDED PUNCH
R - ONE OR MORE INPUT VALUE IS
* - DAILY SUMMARY IS FOR AN IN
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR
PRELIMINARY COMPUTATIONS OF MONTHLY MEANS

[illegible]022 DATA [illegible]
[illegible] BELOW [illegible] EST [illegible] IN BLANCO. CO.
TEMPERATURE (DEG. C) OF [illegible]

PRELIMINARY DATA FOR WATER YEAR [illegible] THRU SEPT. 30, 1979

S.	DATE	[illegible]	[illegible]	[illegible]		1	2	3	4	
A	9-15	12.2	3.0	9.3	AM					
					PM	9.8	10.6	12.0	12.2	1
A	9-17	11.3	7.0	9.4	AM	7.3	7.2	7.0	7.3	
					PM	10.0	11.3	11.2	10.7	1
A	9-18	10.0	7.2	8.7	AM	7.0	7.7	7.6	7.5	
					PM	9.7	9.3	10.3	9.8	
	9-19	10.4	8.0	9.0	AM	8.2	8.0	8.0	8.0	
					PM	10.1	10.8	10.1	10.1	1
	9-20	10.4	7.0	8.9	AM	8.2	8.1	8.1	8.1	
					PM	9.7	10.4	10.1	9.6	1
A	9-21	13.3	6.8	9.4	AM	7.7	7.1	7.3	7.2	
					PM	13.3	13.1	13.0	12.2	1
A	9-22	14.0	6.8	9.7	AM	7.2	7.0	7.2	7.2	
					PM	13.9	13.5	13.6	14.0	1
A	9-23	14.8	6.9	9.6	AM	7.8	7.2	7.0	7.2	
					PM	12.6	14.1	14.3	13.8	1
A	9-24	14.2	7.1	9.8	AM	7.9	8.1	8.2	7.9	
					PM	13.2	14.1	14.0	14.2	1
A	9-25	13.8	7.0	9.5	AM	7.2	7.0	7.0	7.1	
					PM	13.1	13.8	13.3	13.1	1
A	9-26	13.2	6.3	9.3	AM	8.1	7.8	7.1	7.2	
					PM	13.2	12.3	12.0	12.2	1
A	9-27	14.3	6.3	9.6	AM	7.0	7.0	7.2	7.1	
					PM	13.0	14.1	14.8	14.0	1
A	9-28	14.3	7.0	9.9	AM	8.1	8.1	8.0	7.8	
					PM	13.3	14.3	14.8	14.1	1
A	9-29	14.3	6.2	9.6	AM	7.2	7.0	7.2	7.0	
					PM	13.1	14.0	14.3	14.2	1
A	9-30	12.0	7.0	9.6	AM	7.0	7.2	7.1	7.3	
					PM	9.9	9.1	10.3	12.0	1
A	9-31	14.3	7.0	9.6	AM	7.3	7.2	7.1	7.1	
					PM	13.2	14.1	14.3	14.1	1
A	9-01	14.3	6.0	9.2	AM	7.1	6.8	6.2	6.0	
					PM	13.2	14.2	14.2	14.3	1
A	9-02	14.3	6.0	9.4	AM	7.0	7.0	6.8	6.2	
					PM	13.0	14.3	14.3	14.0	1
A	9-03	14.9	6.3	9.8	AM	7.1	7.3	7.1	7.0	
					PM	13.3	14.0	14.9	14.1	1
A	9-04	14.9	6.1	9.6	AM	7.3	7.0	7.2	7.0	
					PM	13.9	14.4	14.9	14.7	1
A	9-05	15.1	6.0	9.6	AM	7.1	6.8	6.6	6.1	
					PM	13.1	14.2	15.1	15.1	1
A	9-06	14.9	6.1	9.5	AM	7.0	7.0	6.8	6.3	
						13.1	14.6	14.0	14.8	1

UNITED STATE

09306022
STEWART GULCH AB WEST FORK
DISSOLVED OXYGEN (DO), MG/

PROVISIONAL DATA FOR WATER

S	DATE	MAX	MIN	MEAN	
A	7-17	8.8	8.2	8.6	M
A	7-18	9.4	8.4	8.8	M
A	7-19	9.2	8.4	8.8	
A	7-20	9.2	8.0	8.7	M
A	7-21	9.2	8.2	8.6	M
A	7-22	9.0	8.0	8.5	M
A	7-23	9.0	8.0	8.5	
A	7-24	9.0	8.0	8.5	M
	7-25	8.8	7.2	8.2	M
A	7-26	8.6	~~6.0~~ 7.4	7.7	M
A	7-27	8.6	7.2	7.7	
A	7-28	8.6	~~6.0~~ 7.2	7.5	M
A	7-29	8.6	7.0	7.8	M
A	7-30	8.8	7.0	7.8	
A	7-31	9.2	7.0	8.1	M
A	8-01	9.8	6.8	8.3	M
A	8-02	10.6	6.8	8.5	M
A	8-03	11.6	6.8	8.8	
A	8-04	9.2	7.0	7.9	M
	8-05	8.6	7.8	8.2	M
	3-06	8.4	7.8	8.0	M
A	8-07	8.4	7.6	8.0	
A	8-08	8.4	7.6	8.0	M

UNITED STATES DEP
PRIM

09306022
STEWART GULCH AB WEST FORK, NEA
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR

S	DATE	MAX	MIN	MEAN	
					PM
A	8-09	8.4	7.8	8.0	AM
					PM
	8-10	8.4	7.6	7.9	AM
					PM
A	8-11	8.4	7.6	8.0	AM
					PM
A	8-12	8.4	7.4	7.9	AM
					PM
	8-13	8.2	7.4	7.8	AM
					PM
A	8-14	8.6	7.6	7.9	AM
					PM
A	8-15	8.4	7.2	7.8	AM
					PM
A	8-16	8.0	~~6.0~~ 7.4	7.3*	AM
					PM
	PERIOD	11.6	6.0		

NOTE.- SYMBOLS USED ABOVE HAVE THE FOL
A - SUCCESSIVE RECORDED PUNCH
R - ONE OR MORE INPUT VALUE IS
* - DAILY SUMMARY IS FOR AN IN
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

[illegible]
[illegible] DATA [illegible]
SIERRA [illegible] AT WEST [illegible], [illegible] ELECTRIC CO.
TEMPERATURE (DEG. C) [illegible]

PROVISIONAL DATA FOR WATER YEAR [illegible] THRU SEPT. 30, 1979

S.	DATE	MAX	MIN	MEAN		1	2	3	4	
A	8-15	12.2	8.1	9.3	AM					
					PM	9.8	10.6	12.0	12.2	
A	8-17	11.3	7.0	8.9	AM	7.8	7.2	7.0	7.3	
					PM	10.0	11.3	11.2	10.7	1
A	8-18	10.0	7.2	8.7	AM	7.0	7.7	7.6	7.5	
					PM	9.7	9.8	10.3	9.8	
	8-19	10.8	8.0	9.0	AM	8.2	8.0	8.0	8.0	
					PM	10.1	10.8	10.1	10.1	1
	8-20	10.4	7.0	8.9	AM	8.2	8.1	8.1	8.1	
					PM	9.7	10.4	10.1	9.6	1
A	8-21	13.8	6.8	9.4	AM	7.7	7.1	7.3	7.2	
					PM	13.3	13.1	13.0	12.2	1
A	8-22	14.0	6.8	9.7	AM	7.2	7.0	7.2	7.2	
					PM	13.9	13.5	13.6	14.0	1
A	8-23	14.8	6.8	9.6	AM	7.8	7.2	7.0	7.2	
					PM	12.6	14.1	14.8	13.8	1
A	8-24	14.2	7.1	9.8	AM	7.9	8.1	8.2	7.9	
					PM	13.2	14.1	14.0	14.2	1
A	8-25	13.8	7.0	9.5	AM	7.2	7.0	7.0	7.1	
					PM	13.1	13.8	13.3	13.1	1
A	8-26	13.2	6.3	9.3	AM	8.1	7.8	7.1	7.2	
					PM	13.2	12.3	12.0	12.2	1
A	8-27	14.3	6.3	9.6	AM	7.0	7.0	7.2	7.1	
					PM	13.0	14.1	14.8	14.0	1
A	8-28	14.3	7.0	9.9	AM	8.1	8.1	8.0	7.8	
					PM	13.3	14.3	14.8	14.1	1
A	8-29	14.3	6.2	9.6	AM	7.2	7.0	7.2	7.0	
					PM	13.1	14.0	14.3	14.2	1
A	8-30	12.0	7.0	9.6	AM	7.0	7.2	7.1	7.3	
					PM	9.9	9.1	10.3	12.0	1
A	8-31	14.3	7.0	9.6	AM	7.3	7.2	7.1	7.1	
					PM	13.2	14.1	14.3	14.1	1
A	9-01	14.3	6.0	9.2	AM	7.1	6.8	6.2	6.0	
					PM	13.2	14.2	14.2	14.3	1
A	9-02	14.3	6.0	9.4	AM	7.0	7.0	6.8	6.2	
					PM	13.0	14.3	14.3	14.0	1
A	9-03	14.9	6.3	9.8	AM	7.1	7.3	7.1	7.0	
					PM	13.3	14.0	14.9	14.1	1
A	9-04	14.9	6.1	9.6	AM	7.3	7.0	7.2	7.0	
					PM	13.9	14.4	14.9	14.7	1
A	9-05	15.1	6.0	9.6	AM	7.1	6.8	6.6	6.1	
					PM	13.1	14.2	15.1	15.1	1
A	9-06	14.9	6.1	9.5	AM	7.0	7.0	6.8	6.3	
						13.1	14.6	14.9	14.8	1

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL
PRIMARY COMPUTATIONS OF QUALITY OF WATER
09383022 DATA PROCESSED
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	9-07	13.9	6.1	9.2	AM	7.0	7.1	6.3	6.2
					PM	13.9	13.0	12.2	11.9
A	9-08	13.3	5.8	9.3	AM	7.1	7.3	7.0	6.9
					PM	13.3	12.3	11.3	11.9
A	9-09	14.7	6.0	10.1	AM	8.0	7.9	7.3	7.1
					PM	12.1	13.3	14.7	13.8
A	9-10	14.7	8.0	10.1	AM	8.7	8.0	8.1	8.1
					PM	13.7	14.7	14.1	13.2
A	9-11	12.5	7.0	8.4	AM	8.0	8.1	7.9	7.2
					PM	12.0	12.4	12.4	12.5
PERIOD		15.1	6.0						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
B - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

NO DATA 9-13 TO 9-20 SHIFT PRORATED FROM -1.00 ON 3-
CLOCK STOPPED

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PAR

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

VAL

S	DATE	MAX	MIN	MEAN		1	2	3	4	
A	9-20	9.6	7.0	8.0*	AM					
					PM	9.6	9.2	8.8	8.8	8
A	9-21	9.4	7.0	8.0	AM	7.5	7.6	7.6	7.7	7
					PM	9.0	8.8	8.6	8.8	8
A	9-22	9.5	7.0	8.0	AM	7.4	7.4	7.6	7.6	7
					PM	9.4	8.6	8.8	8.4	8
A	9-23	9.6	6.8	8.1	AM	7.6	7.6	7.6	7.6	7
					PM	9.2	9.3	8.9	8.4	8
A	9-24	9.5	6.9	8.1	AM	7.5	7.6	7.7	7.6	7
					PM	8.8	9.0	8.6	9.0	8
A	9-25	9.7	6.9	8.1	AM	7.4	7.4	7.4	7.4	7
					PM	9.5	9.3	8.8	8.6	8
A	9-26	9.8	7.4	8.2*	AM	7.5	7.4	7.4	7.4	7
					PM	9.8	9.6	9.4	9.0	9
PERIOD		9.8	6.8							

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL
PRIMARY COMPUTATIONS OF QUALITY OF WATER
DATA PROCESSED 1

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PAR

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

VALU

S	DATE	MAX	MIN	MEAN		1	2	3	4	
A	9-28	9.9	6.9	8.1	AM	7.5	7.6	7.6	7.7	7
					PM	9.8	9.5	9.1	8.7	8.
A	9-29	9.9	6.9	8.1	AM	7.5	7.6	7.6	7.7	7.
					PM	9.6	9.3	9.1	8.8	8.
A	9-30	10.0	6.9	8.2	AM	7.5	7.6	7.7	7.7	7.
					PM	9.8	9.7	9.4	9.1	8.
PERIOD		10.0	6.9							

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SPEC
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSION
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WATI
DATA PROCESSED

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	10-01	10.1	6.8	8.2	AM	7.5	7.6	7.6	7.7
					PM	9.8	9.5	9.2	8.8
A	10-02	10.0	6.7	8.2	AM	7.4	7.5	7.6	7.6
					PM	9.7	9.8	9.4	9.0
A	10-03	10.1	7.1	8.3	AM	7.3	7.4	7.4	7.5
					PM	10.0	9.8	9.6	9.2
A	10-04	10.1	6.3	8.1	AM	7.7	7.8	7.8	7.9
					PM	10.1	9.7	9.3	8.6
A	10-05	9.0	5.8	7.2	AM	6.7	6.7	6.8	6.8
					PM	8.9	8.6	8.4	8.0
A	10-06	8.5	5.4	6.8	AM	6.3	6.3	6.3	6.4
					PM	8.4	8.3	8.0	7.6
A	10-07	8.2	5.1	6.4	AM	5.8	5.8	5.8	5.9
					PM	8.1	8.0	7.7	7.3
A	10-08	7.6	4.9	6.0	AM	5.5	5.5	5.5	5.5
					PM	7.6	7.4	7.2	6.8
A	10-09	7.6	4.8	5.9	AM	5.2	5.2	5.3	5.3
					PM	7.6	7.4	7.2	6.8
A	10-10	7.4	4.5	5.8	AM	5.2	5.2	5.2	5.3
					PM	7.4	7.3	7.0	6.7
A	10-11	7.2	4.4	5.6	AM	4.9	5.0	5.0	5.0
					PM	7.2	7.1	6.9	6.8
A	10-12	7.0	4.3	5.4	AM	4.8	4.8	4.8	4.9
					PM	7.0	6.9	6.7	6.2
A	10-13	6.9	4.2	5.3	AM	4.7	4.7	4.7	4.8
					PM	6.8	6.7	6.6	6.2
A	10-14	6.7	4.2	5.2	AM	4.5	4.6	4.6	4.6
					PM	6.5	6.5	6.2	6.3
A	10-15	11.0	4.4	6.9	AM	4.4	4.5	4.5	4.6
					PM	11.0	10.7	10.1	9.6
A	10-16	10.0	6.1	7.5	AM	6.3	6.3	6.3	6.4
					PM	10.0	9.9	9.5	8.9
A	10-17	8.0	6.5	6.8*	AM	6.5	6.5	6.6	6.6
					PM				
	PERIOD	11.0	4.2						

PROBE MALFUNCTIONS

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

P.H.
Max
mg/l

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306022 Stewart Gulch Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	8.6				999999	8.2	1	999999						1
	2	8.6					8.2	2			8.3				2
	3	8.6					8.7	3							3
	4	8.6				999999	8.1	4			8.1				4
	5	8.6					8.2	5							5
	6	8.6					8.1	6							6
	7	8.6					8.1	7							7
	8	8.5		NO DATA			8.2	8							8
Card No. 02	9	8.6					8.2	9		999999					9
	10	8.6					8.2	10							10
	11	8.6					8.1	11							11
	12	8.6			"I.F."		8.2	12		999999					12
	13	8.6					8.2	13			8.3				13
	14	8.5					8.2	14			8.3				14
	15	8.6					8.2	15			8.3				15
	16	8.6					8.2	16			8.2				16
Card No. 03	17	8.6			NO DATA		8.2	17			8.2				17
	18	8.6					8.2	18							18
	19	8.6					8.2	19			8.6				19
	20						8.2	20			8.4				20
	21			INTAKE FROZEN		8.2	8.2	21			8.4				21
	22	No Data				8.2	8.2	22			8.4				22
	23					8.2	8.2	23			8.4				23
	24					8.2	8.2	24							24
Card No. 04	25					8.1	8.2	25							25
	26					8.2	8.2	26							26
	27					8.2	8.2	27							27
	28					8.1	8.2	28							28
	29					—		29							29
	30					-------	8.1	30		8.4					30
	31		-------			-------	999999	31	-------	8.3	-------			-------	31

TOTAL CHECK CARD

Type: T (1) Water year: 1979 (17–20) Total value (sum of daily value entries): (21–32)

Par Code 00400
Mod Code 00001

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

GPO : 1971 O - 442-477

P.H
Min

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306022 Stewart Gulch Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	8.4				999999	8.0	1	999999						1
	2	8.5					8.0	2			8.2				2
	3	8.6					8.1	3							3
	4	8.4				999999	8.1	4			7.9				4
	5	8.4					8.0	5							5
	6	8.4					8.0	6							6
	7	8.4					8.0	7							7
	8	8.4					8.0	8							8
Card No. 02	9	8.4		NO DATA			8.1	9		999999					9
	10	8.4					8.1	10							10
	11	8.4					8.0	11							11
	12	8.4					8.0	12		999999					12
	13	8.4					8.0	13			8.2				13
	14	8.4					8.0	14			8.2				14
	15	8.4					8.0	15			7.9				15
	16	8.4					8.1	16			7.7				16
Card No. 03	17	8.4			NO DATA		8.1	17			7.7				17
	18	8.4					8.1	18							18
	19	8.5					8.1	19			8.3				19
	20						8.1	20			8.2				20
	21					8.0	8.1	21			8.2				21
	22	NO DATA				8.0	8.1	22			8.2				22
	23					8.0	8.0	23			8.3				23
	24					8.0	8.1	24							24
Card No. 04	25					8.0	8.0	25							25
	26					8.0	8.0	26							26
	27					8.0	8.0	27							27
	28					8.0		28							28
	29							29							29
	30					-------	8.1	30		8.2					30
	31		-------			-------	999999	31	-------	8.2	-------			-------	31

TOTAL CHECK CARD

Type: T (1) Water year: 1979 (17–20) Total value (sum of daily value entries) (21–32)

Par Code 00400

Stat Code 00002

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

GPO : 19 442-477

C

PH

MEAN

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306022 Stewart Gulch Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	8.5				999999	8.1	1	999999						1
	2	8.5					8.1	2			8.1				2
	3	8.6					8.1	3							3
	4	8.5				999999	8.1	4			8.0				4
	5	8.5					8.1	5							5
	6	8.5					8.1	6							6
	7	8.5					8.1	7							7
	8	8.5		NO DATA			8.1	8							8
Card No. 02	9	8.5					8.1	9		999999					9
	10	8.5					8.1	10							10
	11	8.5					8.1	11							11
	12	8.5					8.1	12		999999					12
	13	8.5					8.1	13			8.2				13
	14	8.4					8.1	14			8.2				14
	15	8.6					8.1	15			8.2				15
	16	8.5					8.1	16			8.1				16
Card No. 03	17	8.5			NO DATA		8.1	17			8.0				17
	18	8.5					8.1	18							18
	19	8.5					8.1	19			8.4				19
	20						8.1	20			8.3				20
	21					8.1	8.1	21			8.3				21
	22	No Data				8.1	8.2	22			8.3				22
	23					8.1	8.1	23			8.4				23
	24					8.1	8.1	24							24
Card No. 04	25					8.1	8.1	25							25
	26					8.1	8.1	26							26
	27					8.1	8.1	27							27
	28					8.1		28							28
	29					—		29							29
	30					-------	8.1	30		8.3					30
	31		-------			-------	999999	31	-------	8.3	-------			-------	31

TOTAL CHECK CARD

Type	Water year	Total value (sum of daily value entries)
T	1979	
1	17 20	21 32

Par Code 00400

Stat Code 00003

PRELIMINARY RECORD SUBJECT TO REVISION

Remarks

GPO : 1971 O - 442-477

PRELIMINARY RECORD
SUBJECT TO REVISION

Coding Form for Input and Update of Daily Values--Continued

Par Code 00400 PH

Station identification number 09306022 Stewart Gulch

Water year 1980 Stat Code 00001 MAXIMUM

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1		8.6					1							1
	2		8.6					2							2
	3		8.6					3							3
	4		8.6					4							4
	5		8.6					5							5
	6		8.6					6							6
	7		8.6					7							7
	8		8.7					8							8
Card No. 02	9		8.7					9							9
	10		8.6					10							10
	11		8.6					11							11
	12		8.6					12							12
	13		8.6					13							13
	14		8.6					14							14
	15							15							15
	16							16							16
Card No. 03	17	8.4						17							17
	18	8.5						18							18
	19	8.5						19							19
	20	8.4						20							20
	21	8.6						21							21
	22	8.5						22							22
	23	8.5						23							23
	24	8.5						24							24
Card No. 04	25	8.5						25							25
	26	8.6						26							26
	27	8.6						27							27
	28	8.6						28							28
	29	8.7						29							29
	30	8.6				-------		30							30
	31	8.6	-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1) Water year [ ] (17–20) Total value (sum of daily value entries) [ ] (21–32)

Remarks

11 A-126

GPO : 19 - 442-477

PRELIMII Y RECORD
SUBJECT TO REVISION

Coding Form for Input anc late of Daily Values--Continued

Par Code 00400 P.H.

Station identification number 09306022 Stewart Gulch

Water year 1980 Stat Code 00002 MINIMUM

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1		8.3					1							1
	2		8.3					2							2
	3		8.3					3							3
	4		8.4					4							4
	5		8.4					5							5
	6		8.4					6							6
	7		8.4					7							7
	8		8.4					8							8
Card No. 02	9		8.4					9							9
	10		8.3					10							10
	11		8.3					11							11
	12		8.4					12							12
	13		8.4					13							13
	14		8.4					14							14
	15							15							15
	16							16							16
Card No. 03	17	8.1						17							17
	18	8.2						18							18
	19	8.2						19							19
	20	8.2						20							20
	21	8.2						21							21
	22	8.3						22							22
	23	8.3						23							23
	24	8.3						24							24
Card No. 04	25	8.3						25							25
	26	8.3						26							26
	27	8.3						27							27
	28	8.3						28							28
	29	8.3						29							29
	30	8.3				-------		30							30
	31	8.3	-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type	Water year	Total value (sum of daily value entries)
T		
1	17 20	21 32

Remarks

GPO : 1971 O - 442-477

PRELIMIN Y RECORD
SUBJECT REVISION

Coding Form for Input and ate of Daily Values--Continued

Par Code 00400 PH

Stat Code 00003 MEAN

Station identification number 09306022 Stewart Gulch Water year

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1		8.4					1							1
	2		8.4					2							2
	3		8.5					3							3
	4		8.4					4							4
	5		8.5					5							5
	6		8.5					6							6
	7		8.5					7							7
	8		8.5					8							8
Card No. 02	9		8.5					9							9
	10		8.4					10							10
	11		8.4					11							11
	12		8.5					12							12
	13		8.5					13							13
	14		8.5					14							14
	15							15							15
	16							16							16
Card No. 03	17	8.3						17							17
	18	8.3						18							18
	19	8.3						19							19
	20	8.3						20							20
	21	8.4						21							21
	22	8.4						22							22
	23	8.4						23							23
	24	8.4						24							24
Card No. 04	25	8.4						25							25
	26	8.4						26							26
	27	8.4						27							27
	28	8.4						28							28
	29	8.4						29							29
	30	8.4				-------		30							30
	31	84	-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1) Water year [ ] (17–20) Total value (sum of daily value entries) [ ] (21–32)

Remarks

GPO : 1971 42-477

UNITED STATES DE
PRI

09306022
STEWART GULCH AB WEST FORK, NF.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEA

S	DATE	MAX	MIN	MEAN	
	1-18	8.1	8.0	8.1*	AM
					PM
	1-19	8.2	8.1	8.1	AM
					PM
	1-20	8.1	8.1	8.1	AM
					PM
	1-21	8.1	8.0	8.1	AM
					PM
	1-22	8.1	8.0	8.1	AM
					PM
	1-23	8.1	8.0	8.1	AM
					PM
	1-24	8.1	8.0	8.1	AM
					PM
	1-25	8.1	8.0	8.0	AM
					PM
	1-26	8.2	8.0	8.1	AM
					PM
	1-27	8.1	8.0	8.1	AM
					PM
	1-28	8.1	8.0	8.0	AM
					PM
	1-29	8.2	8.0	8.1	AM
					PM
	1-30	8.1	8.0	8.0	AM
					PM
A	1-31	8.1	7.9	8.1	AM
					PM
A	2-01	8.3	1.1	5.7	AM
					PM
	2-02	1.3	1.1	1.3	AM
					PM
A	2-03	8.3	1.1	5.0	AM
					PM
A	2-04	8.4	1.3	7.5	AM
					PM
PERIOD		8.4	1.1		

FROM LINE

NOTE.- SYMBOLS USED ABOVE HAVE THE FOL
A - SUCCESSIVE RECORDED PUNCH
R - ONE OR MORE INPUT VALUE IS
* - DAILY SUMMARY IS FOR AN IN
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEP
PRIM

09306022
STEWART GULCH AB WEST FORK, NEA
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR

S	DATE	MAX	MIN	MEAN	
		NO DATA 2/1 TO 2/3 INTAKE FROZEN			
	2-09	8.2	8.0	8.1*	AM
					PM
	2-10	8.1	8.0	8.1	AM
					PM
	2-11	8.1	8.0	8.1	AM
					PM
	2-12	8.1	8.0	8.0	AM
					PM
	2-13	8.1	8.0	8.0	AM
					PM
	2-14	8.1	8.0	8.0	AM
					PM
	2-15	8.1	8.0	8.1	AM
					PM
	2-16	8.1	8.0	8.1	AM
					PM
	2-17	8.1	8.0	8.1	AM
					PM
	2-18	8.2	8.0	8.1	AM
					PM
	2-19	8.2	8.0	8.1	AM
					PM
	2-20	8.2	8.0	8.1	AM
					PM
	2-21	8.2	8.0	8.1*	AM
					PM
PERIOD		8.2	8.0		

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLL
A - SUCCESSIVE RECORDED PUNCH F
R - ONE OR MORE INPUT VALUE IS
* - DAILY SUMMARY IS FOR AN INC
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPA
PRIMA

09306022
STEWART GULCH AB WEST FORK, NEAR
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR

S	DATE	MAX	MIN	MEAN	
	3-28	8.1	8.1	8.1*	AM PM
	3-29	8.2	8.0	8.1	AM PM
A	3-30	8.1 ~~8.2~~	8.1 ~~7.9~~	8.1 ~~7.9~~	AM PM
A	3-31	~~8.1~~	~~7.9~~	~~7.7~~	AM PM
		DELETE			
	4-01	~~8.0~~	~~7.9~~	~~7.9~~	AM PM
A	4-02	8.2	8.0	8.1	AM PM
	4-03	8.1	8.1	8.1	AM PM
	4-04	8.1	8.0	8.1	AM PM
	4-05	8.1	8.0	8.1	AM PM
	4-06	8.1	8.0	8.1	AM PM
	4-07	8.1	8.0	8.1	AM PM
	4-08	8.1	8.0	8.1	AM PM
	4-09	8.1	8.0	8.1	AM PM
	4-10	8.1	8.0	8.1	AM PM
	4-11	8.1	8.0	8.1	AM PM
	4-12	8.1	8.0	8.1	AM PM
A	4-13	8.4	8.1	8.3	AM PM
	4-14	8.4	8.4	8.4	AM PM
	4-15	8.5	8.4	8.4	AM PM
	4-16	8.5	8.4	8.4	AM PM
	4-17	8.4	8.4	8.4	AM PM
	4-18	8.5	8.4	8.4	AM PM
	4-19	8.5	8.4	8.4	AM

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPART
PRIMARY

09306022
STEWART GULCH AB WEST FORK, NEAR RI
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR

S	DATE	MAX	MIN	MEAN		
					PM	8
	4-20	8.5	8.4	8.4	AM	8
					PM	8
	4-21	8.4	8.4	8.4	AM	8
					PM	8
	4-22	8.4	8.4	8.4	AM	8
					PM	8
	4-23	8.5	8.4	8.4	AM	8
					PM	8
	4-24	8.5	8.4	8.4	AM	8
					PM	8
	4-25	8.5	8.4	8.4	AM	8
					PM	8
	4-26	8.5	8.4	8.4	AM	8
					PM	8
	4-27	8.4	8.4	8.4	AM	8
					PM	8
	4-28	8.4	8.4	8.4	AM	8
					PM	8
	4-29	8.5	8.4	8.4	AM	8
					PM	8
	4-30	8.4	8.4	8.4	AM	8
					PM	8
	5-01	8.4	8.3	8.4*	AM	8
					PM	8
	PERIOD	8.5	6.8			

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWI
A - SUCCESSIVE RECORDED PUNCH READ
R - ONE OR MORE INPUT VALUE IS OU
* - DAILY SUMMARY IS FOR AN INCOMP
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLO
PRIMARY COMPUTATIONS OF QUALITY OF
DATA PROCES

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	5-01	8.5	8.4	8.4	AM				
					PM	8.4	8.4	8.4	8.5
A	5-02	8.5	8.4	8.4	AM	8.4	8.4	8.4	8.4
					PM	8.4	8.4	8.4	8.4
	5-03	8.5	8.4	8.4	AM	8.4	8.4	8.4	8.4
					PM	8.5	8.5	8.4	8.4
	5-04	8.4	8.3	8.4	AM	8.4	8.4	8.4	8.4
					PM	8.3	8.3	8.3	8.4
	5-05	8.5	8.4	8.5	AM	8.5	8.5	8.5	8.5
					PM	8.5	8.4	8.4	8.4
	5-06	8.5	8.4	8.4*	AM	8.5	8.4	8.4	8.4
					PM	8.4	8.4	8.5	8.5
	PERIOD	8.5	8.3						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN TH
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVE
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOG
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSE

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	5-07	8.4	8.4	8.4*	AM				
					PM	~~8.4~~	8.4	8.4	~~8.4~~
	5-08	8.4	8.3	8.4	AM	~~8.3~~	~~8.3~~	~~8.3~~	~~8.3~~
					PM	~~8.4~~	~~8.4~~	~~8.4~~	~~8.4~~
	5-09	~~8.4~~	INSUFFICIENT DATA ~~8.4~~	~~8.4~~*	AM	~~8.4~~	8.4	8.4	~~8.4~~
					PM				
	PERIOD	8.4	8.3						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERS
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOG
PRIMARY COMPUTATIONS OF QUALITY OF W
DATA PROCESSE

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	5-11	8.4	8.3	8.3*	AM		8.1		
					PM		8.4	8.3	8.3
	5-12	INSUFFICIENT DATA			AM	8.3	8.4	8.3	8.3
					PM				
	PERIOD	8.4	8.3						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERS
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOG
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSE

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	5-17	8.3	8.2	8.3*	AM				
					PM			8.3	8.3
	5-18	8.4	8.2	8.3	AM	8.3	8.3	8.3	8.3
					PM	8.2	8.2	8.2	8.2
	5-19	8.3	8.2	8.3	AM	8.3	8.3	8.3	8.3
					PM	8.2	8.2	8.2	8.2
	5-20	8.4	8.2	8.3	AM	8.3	8.3	8.3	8.3
					PM	8.2	8.2	8.2	8.2
	5-21	8.3	8.2	8.3	AM	8.3	8.3	8.3	8.3
					PM	8.2	8.2	8.2	8.2
	5-22	8.4	8.2	8.3	AM	8.4	8.3	8.4	8.4
					PM	8.3	8.3	8.3	8.2
	PERIOD	8.4	8.2						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONV
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOG
PRIMARY COMPUTATIONS OF QUALITY OF W
DATA PROCESS

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	5-24	8.4	8.3	8.4*	AM				
					PM	~~8.4~~	~~8.4~~	~~8.4~~	~~8.4~~
	5-25	8.4	8.3	8.3*	AM	8.3	8.3	~~8.3~~	8.4
					PM	~~8.3~~	~~8.3~~	8.3	~~8.3~~
	PERIOD	8.4	8.3						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVER
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
09306022 DATA PROCES)
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
PH (UNITS) P

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

V.

S	DATE	MAX	MIN	MEAN		1	2	3	4
	7-11	8.5	8.4	8.5*	AM				
					PM	8.5	8.5	8.5	8.5
	7-12	8.6	8.3	8.4	AM	8.5	8.5	8.5	8.5
					PM	8.4	8.4	8.4	8.3
	7-13	8.5	8.2	8.3	AM	8.4	8.4	8.4	8.4
					PM	8.3	8.3	8.3	8.2
	7-14	8.4	8.1	8.3	AM	8.3	8.3	8.4	8.4
					PM	8.2	8.2	8.2	8.2
	7-15	8.3	8.2	8.2	AM	8.3	8.3	8.3	8.3
					PM	8.2	8.2	8.2	8.2
	7-16	8.3	8.2	8.3	AM	8.3	8.3	8.3	8.3
					PM	8.2	8.2	8.2	8.2
	7-17	8.3	8.2	8.3*	AM	8.3	8.3	8.3	8.3
					PM	8.2	8.2		
	PERIOD	8.6	8.1						

8.2

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SI
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATE

09306022
STEWART GULCH AB WEST FORI
PH (UNITS)

PROVISIONAL DATA FOR WATEI

	DATE	MAX	MIN	MEAN	
	7-17	8.3	8.2	8.3	AM
	7-18	8.3	8.2	8.3	PM
	7-19	8.3	8.2	8.3	
A	7-20	8.3	~~8.0~~ 8.2	8.2	AM
	7-21	8.3	8.2	8.3	AM
	7-22	8.3	8.2	8.3	PM
A	7-23	8.3	~~8.0~~ 8.2	8.3	
A	7-24	8.3	8.2	8.3	AM
	7-25	8.3	8.2	8.3	PM
A	7-26	8.3	~~8.0~~ 8.2	8.3	PM
	7-27	8.3	8.2	8.3	
A	7-28	8.3	~~8.0~~ 8.2	8.2	AM
	7-29	8.3	8.2	8.3	PM
	7-30	8.3	8.2	8.3	
	7-31	8.3	8.2	8.2	AM
A	8-01	8.3	~~8.0~~ 8.2	8.2	AM
	8-02	8.3	8.1	8.2	PM
	8-03	8.3	8.2	8.3	
	8-04	8.3	8.2	8.2	AM
	8-05	8.3	8.2	8.3	PM
	8-06	8.3	8.2	8.3	PM
A	8-07	8.3	~~8.0~~ 8.2	8.3	
	8-08	8.3	8.2	8.3	AM

UNITED STATES DEPA
PRIMA

09306022
STEWART GULCH AB WEST FORK, NEAR
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR

S	DATE	MAX	MIN	MEAN	
					PM
A	8-09	8.3	~~8.0~~ 8.2	8.3	AM
					PM
	8-10	8.3	8.2	8.3	AM
					PM
A	8-11	8.3	~~8.0~~ 8.2	8.2	AM
					PM
A	8-12	8.2	~~8.0~~ 8.2	8.2	AM
					PM
A	8-13	8.2	~~8.0~~ 8.2	8.2	AM
					PM
	8-14	8.2	8.1	8.2	AM
					PM
A	8-15	8.2	~~8.0~~ 8.1	8.1	AM
					PM
	8-16	8.1	8.0	8.0*	AM
					PM
	PERIOD	8.3	8.0		

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLL
A - SUCCESSIVE RECORDED PUNCH F
R - ONE OR MORE INPUT VALUE IS
* - DAILY SUMMARY IS FOR AN INC
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4	VA
	9-20	8.3	8.1	8.2*	AM					
					PM	8.2	8.3	8.3	8.3	
	9-21	8.3	8.1	8.2	AM	8.1	8.2	8.2	8.1	
					PM	8.2	8.2	8.3	8.3	
	9-22	8.3	8.1	8.2	AM	8.1	8.1	8.1	8.1	
					PM	8.3	8.2	8.3	8.2	
	9-23	8.3	8.1	8.2	AM	8.1	8.1	8.1	8.1	
					PM	8.3	8.3	8.3	8.3	
	9-24	8.3	8.1	8.2	AM	8.2	8.1	8.1	8.1	
					PM	8.2	8.3	8.3	8.3	
	9-25	8.3	8.1	8.2	AM	8.1	8.1	8.1	8.1	
					PM	8.3	8.3	8.3	8.3	
	9-26	8.3	8.1	8.2*	AM	8.1	8.1	8.1	8.1	
					PM	8.3	8.3	8.3	8.3	
PERIOD		8.3	8.1							

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL
PRIMARY COMPUTATIONS OF QUALITY OF WATER
DATA PROCESSED 1

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
PH (UNITS)

PARA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4	VALU
	9-28	8.3	8.2	8.2	AM	8.2	8.2	8.2	8.2	8.
					PM	8.3	8.3	8.3	8.3	8.
	9-29	8.4	8.2	8.3	AM	8.2	8.2	8.2	8.2	8.
					PM	8.4	8.3	8.4	8.4	8.
	9-30	8.4	8.2	8.3	AM	8.2	8.2	8.2	8.2	8.
					PM	8.4	8.4	8.4	8.4	8.
PERIOD		8.4	8.2							

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIO
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
09306022 DATA PROCESSED
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
PH (UNITS) P

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980 V

S	DATE	MAX	MIN	MEAN		1	2	3	4
	10-01	8.4	8.2	8.3	AM	8.2	8.2	8.2	8.2
					PM	8.4	8.4	8.4	8.4
	10-02	8.4	8.2	8.3	AM	8.2	8.2	8.2	8.2
					PM	8.4	8.4	8.4	8.4
	10-03	8.4	8.2	8.3	AM	8.2	8.2	8.2	8.2
					PM	8.4	8.4	8.4	8.4
	10-04	8.4	8.2	8.3	AM	8.3	8.3	8.3	8.3
					PM	8.4	8.4	8.4	8.4
	10-05	8.4	8.2	8.3	AM	8.3	8.3	8.3	8.3
					PM	8.4	8.4	8.4	8.4
	10-06	8.4	8.2	8.3	AM	8.3	8.3	8.3	8.3
					PM	8.4	8.4	8.4	8.4
	10-07	8.5	8.2	8.3	AM	8.3	8.3	8.3	8.3
					PM	8.5	8.4	8.5	8.4
	10-08	8.5	8.2	8.3	AM	8.3	8.3	8.3	8.3
					PM	8.5	8.5	8.4	8.4
	10-09	8.5	8.3	8.4	AM	8.3	8.3	8.3	8.3
					PM	8.5	8.5	8.5	8.4
	10-10	8.5	8.2	8.3	AM	8.3	8.3	8.3	8.3
					PM	8.5	8.5	8.5	8.4
A	10-11	8.5	8.2	8.3	AM	8.3	8.3	8.3	8.3
					PM	8.5	8.5	8.5	8.5
	10-12	8.5	8.2	8.4	AM	8.3	8.3	8.3	8.3
					PM	8.5	8.5	8.5	8.5
	10-13	8.5	8.2	8.3	AM	8.3	8.3	8.3	8.3
					PM	8.5	8.5	8.5	8.5
A	10-14	8.5	8.2	8.3	AM	8.3	8.3	8.3	8.2
					PM	8.4	8.5	8.4	8.4
	10-15	8.5	8.2	8.3	AM	8.2	8.2	8.2	8.2
					PM	8.5	8.5	8.5	8.5
A	10-16	8.5	8.2	8.3	AM	8.2	8.2	8.2	8.2
					PM	8.5	8.5	8.5	8.5
A	10-17	8.4	8.3	8.3*	AM	8.3	8.3	8.4	8.4
					PM				
	PERIOD	8.5	8.2						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL
PRIMARY COMPUTATIONS OF QUALITY OF WATER
09306022 DATA PROCESSED
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

DATE	MAX	MIN	MEAN		1	2	3	4
8-15	8.2	8.1	8.1	AM				
				PM	8.1	8.2	8.1	8.2
8-17	8.2	8.1	8.2	AM	8.2	8.2	8.2	8.2
				PM	8.2	8.2	8.2	8.2
8-18	8.2	8.1	8.2	AM	8.2	8.2	8.2	8.2
				PM	8.2	8.2	8.2	8.2
8-19	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.1
				PM	8.2	8.2	8.2	8.2
8-20	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.1
				PM	8.2	8.2	8.2	8.1
8-21	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.1
				PM	8.1	8.2	8.1	8.1
8-22	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.1
				PM	8.1	8.1	8.2	8.2
8-23	8.2	8.1	8.1	AM	8.2	8.2	8.2	8.1
				PM	8.2	8.1	8.2	8.1
8-24	8.2	8.1	8.1	AM	8.2	8.1	8.1	8.1
				PM	8.1	8.1	8.1	8.1
8-25	8.2	8.1	8.1	AM	8.2	8.2	8.1	8.1
				PM	8.1	8.1	8.1	8.1
8-26	8.2	8.1	8.1	AM	8.1	8.2	8.1	8.1
				PM	8.1	8.1	8.1	8.1
8-27	8.1	8.1	8.1	AM	8.1	8.1	8.1	8.1
				PM	8.1	8.1	8.1	8.1
8-28	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.1
				PM	8.1	8.1	8.1	8.1
8-29	8.2	8.1	8.1	AM	8.2	8.2	8.1	8.1
				PM	8.1	8.1	8.2	8.1
8-30	8.2	8.1	8.1	AM	8.2	8.2	8.1	8.1
				PM	8.1	8.1	8.1	8.1
8-31	8.1	8.0	8.1	AM	8.1	8.1	8.1	8.0
				PM	8.1	8.1	8.1	8.1
9-01	8.1	8.0	8.1	AM	8.1	8.1	8.1	8.1
				PM	8.0	8.0	8.1	8.1
9-02	8.1	8.0	8.1	AM	8.1	8.1	8.1	8.0
				PM	8.0	8.0	8.0	8.1
9-03	8.1	8.0	8.1	AM	8.1	8.1	8.1	8.1
				PM	8.1	8.0	8.1	8.1
9-04	8.1	8.0	8.1	AM	8.1	8.1	8.1	8.1
				PM	8.0	8.1	8.1	8.1
9-05	8.2	8.0	8.1	AM	8.1	8.1	8.1	8.0
				PM	8.0	8.1	8.1	8.1
9-06	8.1	8.0	8.1	AM	8.1	8.1	8.1	8.0
					8.0	8.1	8.1	8.1

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL
PRIMARY COMPUTATIONS OF QUALITY OF
DATA PROCESSING

[illegible]
STEWART BULCH [illegible] NEAR [illegible] CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	X	IN	MEAN		1	2	3	4
A	9-07	[illegible]	7.3	[illegible]	AM	8.1	8.1	8.1	8.0
					PM	8.1	8.1	8.1	8.0
A	9-08	8.0	7.1	7.7	AM	7.7	7.6	7.5	7.4
					PM	7.8	7.8	7.9	7.9
A	9-09	[illegible]	[illegible]	7.0	AM	8.0	7.9	7.9	7.9
					PM	8.0	8.0	5.7	5.6
	9-10	5.6	5.3	5.4	AM	5.6	5.5	5.5	5.4
					PM	5.4	5.4	5.3	5.3
	9-11	5.3	4.9	5.1	AM	5.3	5.2	5.2	5.2
					PM	5.0	5.0	5.0	5.0
PERIOD		8.2	4.9						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SP
B - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIO
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
S - UNIT VALUES RECORD WRITTEN

COND MAX (µmhos)

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306022 Stewart Gulch Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	1390				999999	1300	1	999999						1
	2	1392					1300	2			1290				2
	3	1392					1300	3			1290				3
	4	1392				999999	1300	4			1290				4
	5	1390					1300	5							5
	6	1388				NO DATA	1300	6							6
	7	1388					1300	7							7
	8	1388		NO DATA			1300	8							8
Card No. 02	9	1388					1300	9		999999					9
	10	1388					1300	10							10
	11	1390					1300	11							11
	12	1388					1300	12		999999					12
	13	1386					1300	13			1290				13
	14	1386					1300	14			1290				14
	15	1388					1300	15			1290				15
	16	1386					1300	16			1290				16
Card No. 03	17	1386			NO DATA		1300	17			1290				17
	18	1386			999999		1300	18							18
	19	1384					1300	19			1290				19
	20						1300	20			1290				20
	21					1300	1300	21			1290				21
	22					1300	1300	22			1290				22
	23	No Data				1300	1300	23			1290				23
	24				999999	1300	1300	24							24
Card No. 04	25					1300	1300	25							25
	26					1300	1300	26							26
	27					1300	1300	27							27
	28					1300		28							28
	29							29		1290					29
	30					-------		30		1290					30
	31		-------			-------	999999	31	-------	1290	-------			-------	31

TOTAL CHECK CARD

Type: T (1)

Water year: 1979 (17–20)

Total value (sum of daily value entries): (21–32)

Par Code 00095

Stat Code 00001

PRELIMINARY RECORD SUBJECT TO REVISION

Remarks

GPO : 1971 O - 442-477

COND MIN (µmhos)

Coding Form for Input and Update of Daily Values--Continued

Station identification number. 09306022 Stewart Gulch Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	1380				999999	1280	1	999999						1
	2	1380					1280	2			1280				2
	3	1380					1280	3			1290				3
	4	1380				999999	1280	4			1280				4
	5	1374					1280	5							5
	6	1374				NO DATA	1260	6							6
	7	1376					1100	7							7
	8	1374		NO DATA			1320	8							8
Card No. 02	9	1374					1280	9		999999					9
	10	1374					1260	10							10
	11	1374					1200	11							11
	12	1372					1160	12		999999					12
	13	1372					1240	13			1280				13
	14	1374					1240	14			1260				14
	15	1372					1240	15			1280				15
	16	1370					1220	16			1280				16
Card No. 03	17	1368			NO DATA		1260	17			1280				17
	18	1374			999999		1270	18							18
	19	1378					1270	19			1280				19
	20						1280	20			1280				20
	21					1280	1260	21			1280				21
	22	No Data				1240	1260	22			1280				22
	23					1280	1260	23			1280				23
	24				999999	1260	1270	24							24
Card No. 04	25					1270	1260	25							25
	26					1280	1280	26							26
	27					1280	1280	27							27
	28					1270		28							28
	29					—	1250	29		1270					29
	30					-------	1280	30		1280					30
	31		-------			-------	999999	31	-------	1280	-------			-------	31

TOTAL CHECK CARD

Type: T (1) Water year: 1979 (17–20) Total value (sum of daily value entries) (21–32)

Par Code 00095

Stat Code 00002

PRELIMINARY RECORD SUBJECT TO REVISION

Remarks

GPO : 1971 O - 442-477

COND MEAN (µmhos)

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306022 Stewart Gulch Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	1386				999999	1290	1	999999						1
	2	1387					1290	2			1290				2
	3	1386					1290	3			1290				3
	4	1387				999999	1300	4			1280				4
	5	1384				NO DATA	1290	5							5
	6	1382					1290	6							6
	7	1383					1260	7							7
	8	1383		NO DATA			1280	8							8
Card No. 02	9	1384					1290	9		999999					9
	10	1383					1290	10							10
	11	1383					1280	11							11
	12	1382					1270	12		999999					12
	13	1381					1290	13			1280				13
	14	1381					1290	14			1280				14
	15	1386					1290	15			1280				15
	16	1381					1280	16			1280				16
Card No. 03	17	1380			NO DATA		1280	17			1280				17
	18	1381			999999		1290	18							18
	19	1382					1290	19			1290				19
	20						1290	20			1290				20
	21					1290	1290	21			1290				21
	22					1285	1290	22			1290				22
	23	No Data				1290	1290	23			1290				23
	24				999999	1290	1290	24							24
Card No. 04	25					1290	1290	25							25
	26					1290	1290	26							26
	27					1290	1290	27							27
	28					1290		28							28
	29					—		29		1280					29
	30					-------	1290	30		1280					30
	31		-------			-------	999999	31	-------	1280	-------			-------	31

TOTAL CHECK CARD

Type: T (1)

Water year: 1979 (17–20)

Total value (sum of daily value entries) (21–32)

Par Code 00095

Stat Code 00003

PRELIMINARY RECORD SUBJECT TO REVISION

Remarks

GPO : 1971 O - 442-477

PRELIMINARY RECORD
SUBJECT TO REVISION

Coding form for Input and Output of Daily Values--Continued

Par Code 20095 COND. MAX.

Stat Code [illegible] (µmhos)

Station identification number 09306022 Stewart Gulch

Water year 1960

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1		1280					1							1
	2		1280					2							2
	3		1280					3							3
	4		1280					4							4
	5		1280					5							5
	6		1280					6							6
	7		1280					7							7
	8		1270					8							8
Card No. 02	9		1280					9							9
	10		1280					10							10
	11		1270					11							11
	12		1280					12							12
	13		1270					13							13
	14		1280					14							14
	15							15							15
	16							16							16
Card No. 03	17	1270						17							17
	18	1280						18							18
	19	1280						19							19
	20	1270						20							20
	21	1280						21							21
	22	1280						22							22
	23	1280						23							23
	24	1280						24							24
Card No. 04	25	1280						25							25
	26	1280						26							26
	27	1280						27							27
	28	1280						28							28
	29	1270						29							29
	30	1280				-------		30							30
	31	1280	-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1)

Water year (17–20)

Total value (sum of daily value entries) (21–32)

Remarks

GPO : 1971 O - 442-477

PRELI ARY RECORD
SUBJECT TO REVISION

Coding Form for Input a pdate of Daily Values--Continued

Par Code 00095 COND. MIN. (4mhos)

Station identification number 09306022 Stewart Gulch

Water year 1980 Stat Code 00002

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1		1260					1							1
	2		1260					2							2
	3		1260					3							3
	4		1260					4							4
	5		1260					5							5
	6		1250					6							6
	7		1260					7							7
	8		1260					8							8
Card No. 02	9		1260					9							9
	10		1260					10							10
	11		1260					11							11
	12		1250					12							12
	13		1250					13							13
	14		1250					14							14
	15							15							15
	16							16							16
Card No. 03	17	1260						17							17
	18	1260						18							18
	19	1250						19							19
	20	1230						20							20
	21	1260						21							21
	22	1260						22							22
	23	1260						23							23
	24	1260						24							24
Card No. 04	25	1260						25							25
	26	1250						26							26
	27	1260						27							27
	28	1260						28							28
	29	1230						29							29
	30	1260				-------		30							30
	31	1260	-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type	Water year	Total value (sum of daily value entries)
T		
1	17 20	21 32

Remarks

GPO : 1 C- 442-477

PRELIMI[illegible]RY RECORD
SUBJEC[illegible]O REVISION

Coding Form for Input anc[illegible]late of Daily Values--Continued

[illegible] Code 00095

COND
MEAN
Cumbos

Station identification number 09306022 Stewart Gulch

Water year 1990 Stat Code 00[illegible]

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1		1270					1							1
	2		1270					2							2
	3		1270					3							3
	4		1270					4							4
	5		1270					5							5
	6		1270					6							6
	7		1270					7							7
	8		1270					8							8
Card No. 02	9		1270					9							9
	10		1270					10							10
	11		1270					11							11
	12		1270					12							12
	13		1270					13							13
	14		1270					14							14
	15							15							15
	16							16							16
Card No. 03	17	1270						17							17
	18	1270						18							18
	19	1270						19							19
	20	1260						20							20
	21	1270						21							21
	22	1270						22							22
	23	1270						23							23
	24	1270						24							24
Card No. 04	25	1270						25							25
	26	1270						26							26
	27	1270						27							27
	28	1270						28							28
	29	1260						29							29
	30	1270				-------		30							30
	31	1270	-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type	Water year	Total value (sum of daily value entries)
T		
1	17 20	21 32

Remarks

GPO : 1971 O - 442-477

UNITED STATES DE
PRI

09306022
STEWART GULCH AB WEST FORK, NE
SPECIFIC CONDUCTANCE (MICROMHO

PROVISIONAL DATA FOR WATER YEA

S	DATE	MAX	MIN	MEAN	
	1-18	26	24	25*	AM
					PM
	1-19	26	24	24	AM
					PM
	1-20	26	24	24	AM
					PM
	1-21	24	24	24	AM
					PM
	1-22	26	24	24	AM
					PM
	1-23	26	24	24	AM
					PM
A	1-24	1280	14	650	AM
					PM
	1-25	1280	1260	1270	AM
					PM
	1-26	1280	1260	1270	AM
					PM
	1-27	1290	1280	1280	AM
					PM
	1-28	1290	1280	1280	AM
					PM
	1-29	1290	1270	1280	AM
					PM
	1-30	1290	1270	1290	AM
					PM
A	1-31	1290	1240	1270	AM
					PM
A	2-01	1280	22	351	AM
					PM
	2-02	24		23	AM
					PM
A	2-03	1490	22	685	AM
					PM
A	2-04	1530	544	1140	AM
					PM
PERIOD		1530	14		

Probe malfunction

LINE FROZEN!

NOTE.- SYMBOLS USED ABOVE HAVE THE FOL
A - SUCCESSIVE RECORDED PUNCH
R - ONE OR MORE INPUT VALUE IS
* - DAILY SUMMARY IS FOR AN IN
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPA
PRIMA

09306022
STEWART GULCH AB WEST FORK, NEAR
SPECIFIC CONDUCTANCE (MICROMHOS/C

PROVISIONAL DATA FOR WATER YEAR E

S	DATE	MAX	MIN	MEAN	
	2-04 - 2-08 LINES FROZEN				
	2-09	1310	1290	1300*	AM
					PM
	2-10	1310	1290	1300	AM
					PM
	2-11	1310	1280	1300	AM
					PM
	2-12	1310	1280	1300	AM
					PM
	2-13	1300	1280	1290	AM
					PM
	2-14	1310	1240	1290	AM
					PM
	2-15	1310	1280	1300	AM
					PM
	2-16	1310	1270	1290	AM
					PM
	2-17	1310	1280	1300	AM
					PM
	2-18	1310	1280	1290	AM
					PM
	2-19	1310	1280	1290	AM
					PM
	2-20	1300	1280	1290	AM
					PM
	2-21	1300	1280	1300*	AM
					PM
PERIOD		1310	1240		

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLO
A - SUCCESSIVE RECORDED PUNCH REA
R - ONE OR MORE INPUT VALUE IS OU
* - DAILY SUMMARY IS FOR AN INCON
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMEN
PRIMARY CO

09306022
STEWART GULCH AB WEST FORK, NEAR RIO
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT

PROVISIONAL DATA FOR WATER YEAR ENDIN

S	DATE	MAX	MIN	MEAN		1
	3-28	1300	1270	1290*	AM	
					PM	1270
A	3-29	1300	1250 ~~640~~	1260	AM	1280
					PM	1280
A	3-30	1300	1280 ~~80~~	1290 ~~657~~	AM	1280
					PM	~~1280~~
A	3-31	~~1380~~	~~26~~	~~674~~	AM	~~1300~~
		LINES BLOCKED			PM	~~80~~
A	4-01	~~1310~~	~~1250~~	~~1290~~	AM	1300
					PM	1300
A	4-02	1300	1200	1270	AM	1280
					PM	1280
	4-03	1300	1280	1290	AM	1300
					PM	1280
	4-04	1300	1280	1290	AM	1300
					PM	1280
	4-05	1300	1270	1290	AM	1300
					PM	1270
	4-06	1300	1270	1280	AM	1300
					PM	1270
	4-07	1300	1270	1280	AM	1290
					PM	1270
	4-08	1300	1260	1280	AM	1290
					PM	1280
	4-09	1290	1280	1280	AM	1290
					PM	1280
	4-10	1280	1260	1270	AM	1280
					PM	1260
	4-11	1290	1260	1270	AM	1260
					PM	1260
	4-12	1290	1260	1280	AM	1280
					PM	1260
	4-13	1300	1260	1280	AM	1280
					PM	1260
	4-14	1300	1270	1290	AM	1280
					PM	1280
	4-15	1300	1280	1290	AM	1290
					PM	1280
	4-16	1300	1280	1290	AM	1280
					PM	1280
	4-17	1290	1280	1280	AM	1280
					PM	1280
	4-18	1290	1280	1280	AM	1290
					PM	1280
	4-19	1290	1280	1280	AM	1280

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT
PRIMARY COM

09306022
STEWART GULCH AB WEST FORK, NEAR RIO B
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT

PROVISIONAL DATA FOR WATER YEAR ENDING

S	DATE	MAX	MIN	MEAN		1
					PM	1280
	4-20	1290	1280	1280	AM	1290
					PM	1280
	4-21	1290	1280	1280	AM	1280
					PM	1280
	4-22	1290	1270	1280	AM	1280
					PM	1280
	4-23	1290	1270	1280	AM	1280
					PM	1280
	4-24	1290	1270	1280	AM	1280
					PM	1270
	4-25	1290	1270	1280	AM	1280
					PM	1270
	4-26	1290	1270	1280	AM	1280
					PM	1280
	4-27	1290	1270	1280	AM	1280
					PM	1280
	4-28	1290	1280	1280	AM	1290
					PM	1280
	4-29	1290	1270	1280	AM	1280
					PM	1280
	4-30	1290	1280	1280	AM	1290
					PM	1280
	5-01	1290	1280	1280*	AM	1290
					PM	1280
	PERIOD	1310	80			

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING
A - SUCCESSIVE RECORDED PUNCH READIN
R - ONE OR MORE INPUT VALUE IS OUTS1
* - DAILY SUMMARY IS FOR AN INCOMPLE
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

PRINTED IN U.S.A.

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGI
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSE

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	5-01	1300	1260	1280	AM				
					PM	1270	1270	1280	1280
A	5-02	1310	1220*	1280	AM	1300	1300	1300	1300
					PM	1220	1280	1260	1260
A	5-03	1290	1280	1280	AM	1280	1280	1290	1280
					PM	1280	1280	1290	1290
A	5-04	1310	1280	1290	AM	1310	1290	1290	1290
					PM	1280	1280	1280	1280
	5-05	1290	1280	1290	AM	1290	1290	1290	1290
					PM	1280	1280	1280	1280
	5-06	1300	1260	1290*	AM	1300	1290	1290	1290
					PM	1280	1280	1290	1290
PERIOD -		1310	1220						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONV
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOG
PRIMARY COMPUTATIONS OF QUALITY OF W
DATA PROCESSI

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	5-07	1290	1260	1280*	AM				
					PM	1260	1270	1260	1270
	5-08	1290	1240	1270	AM	1280	1230	1280	1260
					PM	1270	1270	1260	1250
	5-09	~~1290~~ INSUFFICIENT DATA	~~1230~~	~~1226~~*	AM	1280	1280	1290	~~1290~~
					PM				
	PERIOD	1290	1240						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERS
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGI
PRIMARY COMPUTATIONS OF QUALITY OF W
DATA PROCESSE

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	5-11	1290	1220	1280*	AM		A 1350		
					PM		~~1290~~	1290	~~1290~~
	5-12	~~1300~~	~~1280~~	~~1290~~*	AM	~~1280~~	~~1300~~	1300	~~1280~~
					PM				
PERIOD		1300	1220						

INSUFFICIENT DATA

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERS
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOG
PRIMARY COMPUTATIONS OF QUALITY OF W
DATA PROCESSI

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	5-17	1290	1280	1290*	AM				
					PM			1290	1290
	5-18	1290	1280	1280	AM	1290	1280	1290	1290
					PM	1280	1280	1280	1280
	5-19	1290	1280	1280	AM	1290	1290	1290	1290
					PM	1280	1280	1280	1280
	5-20	1290	1280	1280	AM	1290	1290	1290	1290
					PM	1280	1280	1280	1280
	5-21	1290	1280	1280	AM	1280	1280	1280	1280
					PM	1280	1280	1280	1280
	5-22	1290	1280	1280	AM	1280	1280	1280	1280
					PM	1280	1280	1280	1280
	PERIOD	1290	1280						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERS
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGI
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSED

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	5-24	1290	1240	1280*	AM				
					PM	1280	1270	1270	1280
	5-25	1280	1260	1280*	AM	1280	1280	1280	1280
					PM	1270	1270	1270	1290
	PERIOD	1290	1240						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERS
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGI
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSE

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	7-11	1310	1280	1300*	AM				
					PM	1280	1280	1300	1300
	7-12	1310	1280	1290	AM	1300	1290	1290	1300
					PM	1280	1290	1290	1300
	7-13	1300	1280	1290	AM	1280	1290	1280	1280
					PM	1280	1280	1280	1300
	7-14	1300	1280	1290	AM	1290	1290	1290	1290
					PM	1280	1280	1290	1300
	7-15	1300	1280	1290	AM	1280	1290	1290	1290
					PM	1280	1280	1290	1280
	7-16	1300	1280	1290	AM	1290	1280	1290	1290
					PM	1280	1290	1300	1300
	7-17	1290	1280	1280*	AM	1280	1280	1290	1280
					PM	1280	1280		
	PERIOD	1310	1280						

1375

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATE

09306022
STEWART GULCH AB WEST FORK
SPECIFIC CONDUCTANCE (MICR

PROVISIONAL DATA FOR WATER

S	DATE	MAX	MIN	MEAN	
	7-17	1300	1280	1280	AM
	7-18	1280	1280	1280	PM
	7-19	1290	1280	1280	
A	7-20	1340	1240	1290	AM
	7-21	1300	1280	1280	AM
	7-22	1280	1280	1280	PM
	7-23	1280	1260	1280	
	7-24	1280	1280	1280	AM
	7-25	1300	1280	1290	PM
A	7-26	1300	~~1200~~ 1250	1280	PM
	7-27	1300	1280	1280	
A	7-28	1300	1200	1280	AM
	7-29	1300	1280	1290	PM
	7-30	1300	1280	1280	
A	7-31	1280	~~1200~~ 1250	1280	AM
	8-01	1300	1280	1280	AM
	8-02	1280	1280	1280	PM
	8-03	1280	1260	1280	
	8-04	1300	1280	1280	AM
	8-05	1300	1280	1280	PM
	8-06	1300	1280	1280	PM
	8-07	1300	1280	1280	
	8-08	1280	1260	1280	AM

UNITED STATES DE
PRI

09306022
STEWART GULCH AB WEST FORK, NE
SPECIFIC CONDUCTANCE (MICROMHO

PROVISIONAL DATA FOR WATER YEA

S	DATE	MAX	MIN	MEAN	
	8-09	1300	1280	1280	PM AM
	8-10	1280	1280	1280	PM AM PM
	8-11	1300	1280	1280	AM PM
	8-12	1300	1280	1280	AM PM
	8-13	1280	1280	1280	AM PM
	8-14	1280	1280	1280	AM PM
	8-15	1300	1280	1280	AM PM
	8-16	1280	1280	1280*	AM PM
	PERIOD	1340	1200		

NOTE.- SYMBOLS USED ABOVE HAVE THE FO
A - SUCCESSIVE RECORDED PUNCH
R - ONE OR MORE INPUT VALUE I
* - DAILY SUMMARY IS FOR AN I
% - UNIT VALUES RECORD WRITTE

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

S	DATE	AX	TO	[illegible]		1	2	3	4	
A	8-16	1310	1280	1290	AM					
					PM	1280	1290	1310	1300	[illegible]
	8-17	1300	1280	1300	AM	1300	1300	1300	1300	
					PM	1300	1300	1300	1300	1
	8-18	1310	1280	1300	AM	1300	1300	1300	1300	1
					PM	1300	1300	1300	1290	1
	8-19	1300	1290	1300	AM	1300	1300	1300	1300	1
					PM	1300	1300	1290	1280	1
	8-20	1310	1280	1300	AM	1300	1300	1300	1300	1
					PM	1300	1300	1290	1280	1
	8-21	1310	1300	1300	AM	1300	1310	1300	1300	1
					PM	1300	1300	1300	1300	1
	8-22	1310	1300	1300	AM	1300	1300	1300	1300	1
					PM	1300	1300	1300	1300	1
	8-23	1300	1280	1300	AM	1300	1300	1300	1300	1
					PM	1290	1290	1300	1300	1
	8-24	1300	1280	1290	AM	1300	1290	1300	1290	1
					PM	1280	1290	1300	1300	1
	8-25	1300	1280	1290	AM	1300	1280	1290	1290	1
					PM	1280	1280	1290	1290	1
	8-26	1300	1280	1290	AM	1280	1290	1290	1290	1
					PM	1280	1290	1290	1290	1
	8-27	1300	1280	1290	AM	1280	1290	1280	1290	1
					PM	1280	1280	1290	1290	1
	8-28	1300	1280	1290	AM	1290	1280	1290	1290	1
					PM	1290	1290	1300	1300	1
	8-29	1300	1280	1290	AM	1290	1290	1280	1280	1
					PM	1280	1290	1290	1300	1
	8-30	1300	1280	1290	AM	1290	1290	1300	1300	1
					PM	1280	1280	1280	1280	1
	8-31	1300	1280	1290	AM	1290	1290	1290	1290	1
					PM	1280	1280	1290	1290	1
	9-01	1300	1280	1290	AM	1290	1290	1290	1280	1
					PM	1280	1280	1290	1290	1
	9-02	1300	1280	1290	AM	1280	1290	1290	1290	1
					PM	1290	1280	1290	1300	1
	9-03	1310	1280	1290	AM	1280	1290	1280	1280	1
					PM	1280	1290	1300	1300	1
	9-04	1300	1280	1290	AM	1290	1290	1290	1290	1
					PM	1290	1290	1300	1300	1
A	9-05	1320	1280	1290	AM	1290	1280	1280	1280	1
					PM	1290	1290	1300	1300	1
	9-06	1310	1280	1290	AM	1290	1280	1280	1280	1
						1280	1280	1290	1300	1

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WA

09306022 DATA PROCESSED

STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S DATE	MAX	MIN	MAX		1	2	3	4	V
9-07	1310	1280	1290	AM	1280	1280	1280	1280	1
				PM	1280	1300	1300	1300	1
9-08	1300	1280	1290	AM	1290	1290	1290	1290	1
				PM	1280	1280	1290	1290	1
9-09	1300	1280	1290	AM	1280	1290	1280	1280	1
				PM	1290	1280	1290	1300	1
9-10	1300	1280	1290	AM	1290	1280	1280	1290	1
				PM	1280	1280	1280	1290	1
9-11	1300	1280	1290	AM	1290	1280	1280	1280	1
				PM	1290	1280	1280	1290	1
PERIOD	1320	1260							

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SP
B - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
09306022 DATA PROCESSED
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4	VA
	9-20	1290	1280	1280*	AM					
					PM	1280	1280	1290	1280	1
	9-21	1290	1280	1280	AM	1290	1290	1290	1280	1
					PM	1290	1290	1280	1280	1
	9-22	1290	1280	1280	AM	1280	1280	1280	1280	1
					PM	1280	1280	1290	1280	1
	9-23	1300	1280	1280	AM	1280	1280	1280	1280	1
					PM	1280	1280	1280	1280	1
	9-24	1290	1280	1280	AM	1290	1280	1280	1280	1
					PM	1280	1280	1280	1280	1
	9-25	1290	1280	1280	AM	1280	1280	1280	1280	1
					PM	1280	1280	1280	1290	1
	9-26	1290	1280	1280*	AM	1280	1280	1280	1280	1
					PM	1280	1280	1280	1290	1
	PERIOD	1300	1280							

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL
PRIMARY COMPUTATIONS OF QUALITY OF WATER
09306022 DATA PROCESSED
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) PAR

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4	VAL
	9-28	1290	1280	1290	AM	1290	1290	1290	1290	1.
					PM	1280	1280	1280	1280	1.
	9-29	1290	1280	1290	AM	1290	1290	1290	1290	1.
					PM	1280	1280	1280	1280	1.
	9-30	1290	1280	1290	AM	1280	1290	1290	1290	1.
					PM	1280	1280	1280	1290	1
	PERIOD	1290	1280							

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SP
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIO
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4
	10-01	1290	1280	1290	AM	1290	1290	1290	1290
					PM	1280	1280	1280	1280
	10-02	1290	1270	1290	AM	1290	1290	1290	1290
					PM	1280	1280	1280	1280
	10-03	1290	1270	1280	AM	1280	1280	1280	1290
					PM	1280	1280	1280	1280
	10-04	1290	1270	1280	AM	1280	1280	1280	1280
					PM	1270	1270	1280	1280
	10-05	1290	1270	1280	AM	1280	1280	1280	1280
					PM	1270	1280	1280	1280
	10-06	1290	1270	1280	AM	1280	1280	1280	1280
					PM	1270	1270	1280	1280
	10-07	1290	1270	1280	AM	1280	1280	1280	1280
					PM	1270	1270	1280	1280
	10-08	1290	1270	1280	AM	1280	1280	1280	1280
					PM	1270	1270	1280	1280
	10-09	1290	1270	1280	AM	1280	1280	1290	1280
					PM	1270	1270	1270	1270
	10-10	1290	1270	1280	AM	1280	1280	1280	1280
					PM	1270	1270	1270	1270
	10-11	1290	1270	1280	AM	1280	1280	1280	1280
					PM	1270	1270	1270	1270
	10-12	1280	1270	1280	AM	1280	1280	1280	1280
					PM	1270	1270	1270	1270
	10-13	1280	1260	1280	AM	1280	1280	1280	1280
					PM	1260	1260	1270	1270
A	10-14	1300	1270	1280	AM	1280	1280	1280	1280
					PM	1270	1270	1270	1270
	10-15	1290	1260	1280	AM	1280	1280	1280	1280
					PM	1270	1260	1270	1270
	10-16	1280	1270	1280	AM	1280	1280	1280	1280
					PM	1270	1270	1270	1270
	10-17	1280	1280	1280*	AM	1280	1280	1280	1280
					PM				
	PERIOD	1300	1260						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVE I
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

TEMP MAX (Deg F)

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306022 Stewart Gulch Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	12.9				999999	9.0	1	999999		16.5				1
	2	12.1					9.0	2			CLOCK STOPPED				2
	3	11.7					10.0	3							3
	4	12.1				999999	10.5	4			17.5				4
	5	12.8					10.0	5							5
	6	11.1					12.5	6							6
	7	12.0					13.5	7		999999					7
	8	12.5		NO DATA			12.5	8			CLOCK STOPPED				8
Card No. 02	9	11.8					11.0	9		999999					9
	10	10.9			INTAKE FROZEN		12.0	10				CLOCK STOPPED			10
	11	10.9					13.1	11		999999		—			11
	12	13.1					13.5	12		999999					12
	13	9.9					13.5	13							13
	14	9.7					12.5	14			10.5				14
	15	8.0					13.0	15			14.5				15
	16	11.3					13.5	16			17.5				16
Card No. 03	17	10.6			NO DATA		13.5	17		999999	18				17
	18	9.5			999999		10.5	18			CLOCK STOPPED				18
	19	3.7					13.5	19			14				19
	20		666666				11.5	20			17				20
	21			INTAKE FROZEN		8.5	10.5	21			17.5				21
	22	No Data				7.0	9.0	22			18				22
	23					9.0	13.5	23			17.5				23
	24					11.0	14.5	24			—				24
Card No. 04	25					11.0	14.5	25							25
	26					9.0	14.0	26							26
	27					8.5	10	27							27
	28					11.0		28							28
	29				8.0	—		29							29
	30		8.0			-------	999999	30		16					30
	31		-------			-------	999999	31	-------	15.5	-------			-------	31

TOTAL CHECK CARD

Type: T (1) Water year: 1979 (17–20) Total value (sum of daily value entries): (21–32)

Item Code 00010

Item Code 00021

PRELIMINARY RECORD SUBJECT TO REVISION

Remarks

GPO . 1971 C 1-477

TEMP MIN (Deg F)

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306022 Stewart Gulch Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	5.8				999999	5.0	1	999999		7				1
	2	5.6					5.0	2							2
	3	3.7		0			3.0	3			8				3
	4	3.9				999999	3.0	4							4
	5	4.0					4.0	5							5
	6	3.9					6.0	6							6
	7	3.3					3.5	7		999999					7
	8	3.6		NO DATA			5.0	8							8
Card No. 02	9	3.8					4.0	9		999999					9
	10	5.1					3.0	10							10
	11	6.3	2.0				3.8	11		999999					11
	12	4.5			INTAKE FROZEN		4.0	12		999999					12
	13	5.0					5.0	13							13
	14	7.9					4.0	14			8				14
	15	5.4					5.0	15			7				15
	16	3.7					5.0	16			6.5				16
Card No. 03	17	4.2			NO DATA	3.5	4.0	17		999999	7				17
	18	3.6			999999		5.0	18							18
	19	2.2					5.5	19			8				19
	20						6.0	20			7				20
	21					4.5	5.1	21			7				21
	22			INTAKE FROZEN		3.5	5.0	22			7				22
	23	No Data				3.0	4.0	23			7.5				23
	24					3.0	4.0	24							24
Card No. 04	25					3.0	5.0	25							25
	26					4.0	5.0	26							26
	27					4.0	6.0	27							27
	28					3.5		28							28
	29							29							29
	30					-------	999999	30		6.5					30
	31		-------			-------	999999	31	-------	6.5	-------			-------	31

TOTAL CHECK CARD

Type: T (1)

Water year: 1979 (17–20)

Total value (sum of daily value entries) (21–32)

Par Code 00010

Stat Code 00002

PRELIMINARY RECORD SUBJECT TO REVISION

Remarks

GPO : 1971 O 442-477

TEMP MEAN (Deg F)

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306022 Stewart Gulch Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	7.3				999999	6.5	1	999999		12.5				1
	2	8.4					7.0	2	7.6						2
	3	7.2					6.0	3							3
	4	7.4				999999	5.5	4			13				4
	5	7.7					6.5	5							5
	6	7.1					8.0	6							6
	7	6.9					8.0	7		999999					7
	8	7.2		No Data			7.0	8							8
Card No. 02	9	7.[illegible]					6.0	9		999999					9
	10	7.7					6.0	10							10
	11	8.6	4.5		I.F.		7.0	11		999999					11
	12	7.9					7.0	12		999999					12
	13	7.5					7.5	13							13
	14	[illegible].6					7.1	14			8.5				14
	15	7.4					7.5	15			10				15
	16	6.6					8.1	16			11				16
Card No. 03	17	[illegible].8					8.0	17		999999	11.5				17
	18	6.6			999999		7.0	18							18
	19	2.7					8.0	19			10.5				19
	20		999999				7.6	20			11				20
	21		4.5	INTAKE FROZEN		6.0	7.0	21			11.5				21
	22					5.0	6.5	22			11.5				22
	23	No Data				5.5	7.5	23			9.5				23
	24					6.0	8.0	24							24
Card No. 04	25					6.0	8.0	25							25
	26					6.0	8.0	26							26
	27					6.5	7.5	27							27
	28					6.0		28							28
	29				4.0	—		29							29
	30		5.5			-------	999999	30		9.5					30
	31		-------			-------	999999	31	-------	10	-------			-------	31

TOTAL CHECK CARD

Type: T (1) Water year: 1979 (17–20) Total value (sum of daily value entries): (21–32)

[illegible] 00010

[illegible] 00003

PRELIMINARY RECORD SUBJECT TO REVISION

Remarks

GPO : 1971 O - 442-477

Coding Form for Input and Update of Daily Values--Continued

Par Code [illegible] TEMP.

Stat Code [illegible] MAXIMUM (DEG F)

Station identification number 09306022 Stewart Gulch

Water year 1980

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1		9.5					1							1
	2		10.5					2							2
	3		10					3							3
	4		10.5					4							4
	5		11					5							5
	6		11.5					6							6
	7		9					7							7
	8		9.5					8							8
Card No. 02	9		9					9							9
	10		9.5					10							10
	11		8					11							11
	12		10					12							12
	13		10.5					13							13
	14		10					14							14
	15							15							15
	16							16							16
Card No. 03	17	12.5						17							17
	18	13.5						18							18
	19	12.5						19							19
	20	9						20							20
	21	9.5						21							21
	22	12						22							22
	23	13.5						23							23
	24	12.5						24							24
Card No. 04	25	13.5						25							25
	26	14.5						26							26
	27	12.5						27							27
	28	11						28							28
	29	6.5						29							29
	30	8.5				-------		30							30
	31	10	-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1) Water year [ ] (17–20) Total value (sum of daily value entries) [ ] (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

GPO : 1971 O - 442-477

Coding Form for Input an pdate of Daily Values--Continued

Par Code ____ TEMP

Stat Code ____ MINIMUM (DEG F)

Station identification number 09306022 Stewart Gulch

Water year 1980

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1		2					1							1
	2		3					2							2
	3		3					3							3
	4		4.5					4							4
	5		4					5							5
	6		4					6							6
	7		5.5					7							7
	8		5					8							8
Card No. 02	9		5.5					9							9
	10		3.5					10							10
	11		4					11							11
	12		3					12							12
	13		3					13							13
	14		3					14							14
	15							15							15
	16							16							16
Card No. 03	17	8						17							17
	18	8						18							18
	19	8						19							19
	20	3.5						20							20
	21	4.5						21							21
	22	4						22							22
	23	5						23							23
	24	5						24							24
Card No. 04	25	5						25							25
	26	6						26							26
	27	4.5						27							27
	28	4						28							28
	29	5						29							29
	30	3.5				-------		30							30
	31	2.5	-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1) Water year [ ] (17–20) Total value (sum of daily value entries) [ ] (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

GPO : 1971 O - 442-477

Par Code TEMP

Coding Form for Input an date of Daily Values--Continued

Stat Code MEAN (DEG F)

Station identification number 09306022 Stewart Gulch

Water year 1980

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1		5					1							1
	2		5.5					2							2
	3							3							3
	4		6.5					4							4
	5		6.5					5							5
	6		6.5					6							6
	7		7					7							7
	8		6.5					8							6
Card No. 02	9		6.5					9							9
	10		6					10							10
	11		5.5					11							11
	12		5.5					12							12
	13		5.5					13							13
	14		5					14							14
	15							15							15
	16							16							16
Card No. 03	17	10						17							17
	18	8.5						18							18
	19	9.5						19							19
	20	7						20							20
	21	7						21							21
	22	6.5						22							22
	23	7.5						23							23
	24	7.5						24							24
Card No. 04	25	8						25							25
	26	8.5						26							26
	27	7.5						27							27
	28	7						28							28
	29	5.5						29							29
	30	5.5				-------		30							30
	31	5	-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type T (1) Water year (17–20) Total value (sum of daily value entries) (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

GPO : 1971 O-442-477

UNITED STATES DE
PRI

09306022
STEWART GULCH AB WEST FORK, NE
TEMPERATURE (DEG. C) OF WATER
WATER YEAR 1979
PROVISIONAL DATA FOR WATER YEAR

S	DATE	MAX	MIN	MEAN	
	1-18	8.8	5.6	6.7*	AM
					PM
	1-19	7.9	3.1	5.5	AM
					PM
A	1-20	8.5	2.5	4.5	AM
					PM
A	1-21	7.3	2.2	4.4	AM
					PM
	1-22	5.6	1.6	4.0	AM
					PM
A	1-23	6.7	1.0	2.9	AM
					PM
A	1-24	6.5	1.3	4.0	AM
					PM
A	1-25	7.8	4.0	5.2	AM
					PM
	1-26	5.1	2.2	3.9	AM
					PM
A	1-27	6.9	1.3	3.3	AM
					PM
A	1-28	7.1	1.7	4.0	AM
					PM
AR	1-29	8.0	3.0		AM
					PM
A	1-30	9.0	3.8	6.3	AM
					PM
A	1-31	12.1	2.6	7.6	AM
					PM
A	2-01	~~16.3~~	~~3.3~~	~~9.4~~	AM
					PM
A	2-02	~~21.0~~	~~11.2~~	~~15.4~~	AM
					PM
A	2-03	~~16.1~~	~~5.0~~	~~12.1~~	AM
					PM
A	2-04	~~13.3~~	~~7.0~~	~~11.2~~	AM
					PM
	PERIOD	21.0	1.0		

2-02 to 2-08 FROZEN

LINE FROZEN

NOTE.- SYMBOLS USED ABOVE HAVE THE FOL
A - SUCCESSIVE RECORDED PUNCH
R - ONE OR MORE INPUT VALUE IS
* - DAILY SUMMARY IS FOR AN IN
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEP
PRIN

09306022
STEWART GULCH AB WEST FORK, NEA
TEMPERATURE (DEG. C) OF WATER
WATER YEAR 1979
PROVISIONAL DATA FOR WATER YEAR

S	DATE	MAX	MIN	MEAN	
	2-05 to 2-08 NO DATA PROBES LINE				
A	2-09	8.9	3.5	5.5*	AM
					PM
A	2-10	9.5	3.0	5.6	AM
					PM
A	2-11	10.1	4.3	6.1	AM
					PM
A	2-12	9.9	5.0	6.6	AM
					PM
	2-13	9.2	6.0	7.0	AM
					PM
A	2-14	11.8	5.0	7.1	AM
					PM
A	2-15	11.1	3.9	6.3	AM
					PM
A	2-16	11.3	4.2	6.7	AM
					PM
~~A~~	2-17	10.3	3.5		AM
					PM
A	2-18	10.7	3.1	5.6	AM
					PM
A	2-19	8.7	4.1	6.1	AM
					PM
A	2-20	9.2	4.2	6.3	AM
					PM
	2-21	7.0	5.0	5.6*	AM
					PM
PERIOD		11.8	3.0		

NOTE.- SYMBOLS USED ABOVE HAVE THE FOL
A - SUCCESSIVE RECORDED PUNCH
R - ONE OR MORE INPUT VALUE IS
* - DAILY SUMMARY IS FOR AN IN
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPA
PRIMA

09306022
STEWART GULCH AB WEST FORK, UTAH
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR

S	DATE	MAX	MIN	MEAN	
A	3-28	14.2	7.0	9.7*	AM
					PM
A	3-29	9.0	4.2	7.1	AM
					PM
A	3-30	~~[illegible]~~ ~~16.3~~	~~5.2~~	~~7.2~~ ~~12.0~~	AM
					PM
A	3-31	~~15.3~~	~~6.2~~	~~10.9~~	AM
					PM
		LINES BLOCKED			
	4-01	~~13.9~~	~~9.2~~	~~11.6~~	AM
					PM
A	4-02	13.0	4.2	7.6 ~~[illegible]~~	AM
					PM
A	4-03	12.2	4.0	6.7	AM
					PM
A	4-04	11.3	4.0	7.5	AM
					PM
A	4-05	15.2	5.8	8.8	AM
					PM
A	4-06	15.2	5.0	8.7	AM
					PM
A	4-07	15.1	5.0	8.9	AM
					PM
A	4-08	16.0	5.0	8.8	AM
					PM
A	4-09	12.0	5.0	7.8	AM
					PM
A	4-10	8.2	5.0	6.5	AM
					PM
A	4-11	8.2	4.8	6.4	AM
					PM
A	4-12	12.1	4.0	7.1	AM
					PM
A	4-13	14.3	4.0	7.9	AM
					PM
A	4-14	16.1	5.0	9.2	AM
					PM
A	4-15	16.0	5.8	9.5	AM
					PM
A	4-16	16.6	5.9	9.8	AM
					PM
A	4-17	16.5	6.2	9.9	AM
					PM
A	4-18	15.8	6.2	9.7	AM
					PM
A	4-19	14.8	6.0	8.9	AM

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPAR
PRIMAR

09306022
STEWART GULCH AB WEST FORK, NEAR
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YE EI

S	DATE	MAX	MIN	MEAN	
					PM
A	4-20	15.5	5.2	9.0	AM
					PM
A	4-21	14.0	5.9	9.1	AM
					PM
A	4-22	14.2	6.0	9.3	AM
					PM
A	4-23	16.1	6.3	9.7	AM
					PM
A	4-24	14.7	7.3	9.8	AM
					PM
A	4-25	14.2	6.2	9.5	AM
					PM
A	4-26	15.9	5.0	9.1	AM
					PM
A	4-27	16.3	5.0	9.5	AM
					PM
A	4-28	14.2	6.2	9.1	AM
					PM
A	4-29	15.5	5.6	8.9	AM
					PM
A	4-30	14.6	6.0	9.2	AM
					PM
	5-01	10.0	7.2	8.1*	AM
					PM
PERIOD		18.3	4.0		

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLO
A - SUCCESSIVE RECORDED PUNCH RE
R - ONE OR MORE INPUT VALUE IS O
* - DAILY SUMMARY IS FOR AN INCO
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR -
PRIMARY COMPUTATIONS OF QUALITY
DATA PE

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	
A	5-01	14.1	7.6	9.2	AM				
					PM	11.4	14.1	13.0	1
A	5-02	10.7	7.1	8.0	AM	7.4	7.4	7.3	
					PM	8.1	8.8	8.4	
	5-03	10.1	6.0	7.6	AM	7.5	6.9	6.6	
					PM	9.2	10.1	10.1	
A	5-04	16.8	5.5	9.7	AM	5.9	5.7	5.7	
					PM	16.1	16.8	16.6	1
A	5-05	15.5	6.1	9.4	AM	7.3	7.1	6.8	
					PM	12.6	14.5	15.5	1
A	5-06	14.2	5.5	9.1*	AM	7.2	7.2	7.2	
					PM	13.7	13.6	11.9	1
PERIOD		16.8	5.5						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE TH
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

BREAKS IN DATA DUE

TO CLOCK STOPPAGES
AND POWER OUTAGE
ALL PARAMETERS

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOL
PRIMARY COMPUTATIONS OF QUALITY OF
DATA PROCE

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
		INSUFFICIENT DATA	FOR DAILY REC.						
	5-07	~~8.0~~	~~5.8~~	~~7.2*~~	AM				
					PM	~~7.9~~	8.0	7.1	~~7.~~
A	5-08	12.4	3.8	7.3	AM	~~6.4~~	~~6.2~~	~~6.0~~	~~5.~~
					PM	~~10.8~~	~~11.5~~	12.4	~~9.~~
	5-09	~~6.4~~ INSUFFIENT DATA	~~5.8~~	~~6.2*~~	AM	~~6.0~~	~~6.3~~	~~6.3~~	~~6.~~
					PM				
	PERIOD	12.4	3.8						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CON
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
		NO DATA 5-10-79							
		INSUFFICIENT	DATA			CLOCK STOPPAGES			
A	5-11	~~12.3~~	~~5.0~~	~~8.4*~~	AM	~~12.0~~			
					PM		12.8	~~14.8~~	~~9.7~~
A	5-12	~~15.4~~	~~6.0~~	~~8.5*~~	AM	~~6.1~~	6.3	6.0	~~15.4~~
					PM				
PERIOD		15.4	5.0						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SI
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIO
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR -
PRIMARY COMPUTATIONS OF QUALIT
DATA F

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3
		NO DATA 5-13-16						
		INSUFFICIENT DATA						
A	5-17	~~15.5~~	~~2.1~~	~~10.8~~*	AM			
					PM			15.5
A	5-18	17.0	7.0	11.0	AM	7.9	7.9	7.6
					PM	17.0	16.0	16.3
A	5-19	17.5	6.8	10.9	AM	7.6	7.4	7.2
					PM	17.5	17.5	16.8
A	5-20	17.6	6.9	11.0	AM	7.5	7.3	7.2
					PM	17.6	17.6	17.0
A	5-21	17.8	7.5	11.5	AM	7.9	7.7	7.6
					PM	17.3	17.5	17.8
A	5-22	17.8	6.9	11.1	AM	7.8	7.6	7.3
					PM	17.3	17.6	17.8
PERIOD		17.8	6.8					

CLOCK STOPPED

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE TH
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF T
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLO
PRIMARY COMPUTATIONS OF QUALITY OF
DATA PROCES

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
		NO DATA 5-23							
A	5-24	13.7	8.9	11.0*	AM				
					PM	12.7	11.7	13.7	12.9
A	5-25	16.0	8.3	11.4*	AM	8.9	8.9	8.3	8.3
					PM	15.8	16.0	13.4	14.4
	PERIOD	16.0	8.3						
		NO DATA 05-26-29							

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN TH
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVE
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

CLOCK STOPPAGES
AND POWER OUTAGES
ARE REASON FOR NO
DATA

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCES

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	7-11	17.8	8.7	13.6*	AM				
					PM	16.6	17.3	17.5	17.8
A	7-12	17.6	6.8	11.2	AM	8.3	8.0	7.7	7.7
					PM	16.6	17.6	17.3	15.7
A	7-13	17.6	7.5	11.4	AM	8.4	7.7	7.5	7.5
					PM	16.6	17.6	17.6	16.6
A	7-14	15.8	7.4	10.9	AM	8.4	7.7	7.5	7.7
					PM	15.5	15.6	14.7	15.6
A	7-15	17.3	7.8	10.8	AM	8.8	8.5	7.8	8.4
					PM	17.3	13.8	11.7	12.3
A	7-16	18.5	7.7	11.0	AM	8.7	8.7	8.4	8.3
					PM	17.3	18.5	15.4	12.6
A	7-17	16.8	7.5	10.6*	AM	8.6	8.5	8.6	8.5
					PM	16.8	16.5		
PERIOD		18.5	6.8						

@ 17.0°

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

✓SHIFT PRORATED FROM -0.50 ON

UNITED STATE

09306022
STEWART GULCH AB WEST FORK
TEMPERATURE (DEG. C) OF WA

PROVISIONAL DATA FOR WATER

S	DATE	MAX	MIN	MEAN	
A	7-17	17.1	9.2	11.1	PM
A	7-18	16.0	8.0	10.8	
A	7-19	17.0	7.8	11.3	PM
A	7-20	15.8	8.0	10.4	PM
A	7-21	16.8	8.0	11.2	PM
A	7-22	15.2	8.0	10.9	
A	7-23	16.1	8.2	11.4	AM
A	7-24	18.0	8.2	11.7	PM
A	7-25	19.8	8.0	12.7	
	7-26	18.0	8.0	11.4	
A	7-27	19.0	8.0	12.5	PM
A	7-28	20.0	8.0	12.0	PM
A	7-29	19.0	8.0	12.3	
A	7-30	19.1	7.0	11.8	PM
A	7-31	19.0	7.0	11.8	PM
A	8-01	19.1	7.0	12.0	PM
A	8-02	19.1	7.2	12.1	
A	8-03	19.1	7.0	11.9	PM
A	8-04	17.0	7.0	11.2	PM
A	8-05	16.1	8.0	11.5	
	8-06	16.0	8.0	11.2	
A	8-07	17.0	9.0	12.0	PM
A	8-08	14.2	9.0	11.2	PM

UNITED STATES DE
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09306022
STEWART GULCH AB WEST FORK, NE
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEA

S	DATE	MAX	MIN	MEAN	
A	8-09	16.1	8.0	11.0	AM PM
A	8-10	16.1	8.8	11.4	AM PM
A	8-11	16.0	7.0	10.9	AM PM
A	8-12	15.2	8.0	11.1	AM PM
A	8-13	14.0	9.0	10.9	AM PM
	8-14	12.0	8.0	9.7	AM PM
	8-15	12.0	8.0	9.8	AM PM
A	8-16	10.0	8.0	8.2*	AM PM
PERIOD		20.0			

NOTE.- SYMBOLS USED ABOVE HAVE THE F
A - SUCCESSIVE RECORDED PUNC
R - ONE OR MORE INPUT VALUE
* - DAILY SUMMARY IS FOR AN
% - UNIT VALUES RECORD WRITTE

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSED

09306022
STEWART GULCH AB EAST FORK, NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (OD), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

VA

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	8-16	9.1	8.0	8.1	AM				
					PM	8.7	9.1	8.8	8.8
A	8-17	9.2	8.0	8.5	AM	8.2	8.3	8.4	8.4
					PM	9.0	9.2	8.8	8.7
A	8-18	9.1	8.0	8.4	AM	8.3	8.3	8.3	8.3
					PM	8.2	8.9	8.8	8.4
A	8-19	9.1	8.0	8.4	AM	8.1	8.0	8.0	8.0
					PM	9.1	8.5	8.6	8.8
A	8-20	9.1	7.8	8.4	AM	8.1	8.2	8.2	8.2
					PM	8.7	9.1	8.1	8.4
A	8-21	8.8	8.0	8.4	AM	8.2	8.2	8.2	8.2
					PM	8.6	8.7	8.4	8.2
A	8-22	8.9	7.9	8.4	AM	8.2	8.3	8.4	8.4
					PM	8.6	8.2	8.5	8.3
A	8-23	8.8	7.8	8.3	AM	8.2	8.3	8.3	8.4
					PM	8.7	8.6	8.3- 7.8	8.2
A	8-24	8.8	7.8	8.2	AM	8.2	8.2	8.1	8.2
					PM	8.4	8.4	8.2	8.0
A	8-25	8.8	7.8	8.2	AM	8.2	8.2	8.3	8.3
					PM	8.6	8.4	8.2	8.2
A	8-26	8.8	7.8	8.2	AM	8.0	8.2	8.2	8.2
					PM	8.4	8.2	8.4	8.4
A	8-27	8.8	7.6	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.4	8.3	8.0	8.2
A	8-28	8.8	7.7	8.2	AM	8.0	8.1	8.0	8.1
					PM	8.6	8.4	8.2	8.1
A	8-29	8.8	7.8	8.2	AM	8.1	8.2	8.2	8.2
					PM	8.4	8.3	8.2	8.1
A	8-30	9.0	7.8	8.2	AM	8.2	8.2	8.2	8.3
					PM	8.5	8.5	9.0	8.6
A	8-31	8.7	7.7	8.2	AM	8.0	8.0	8.2	8.2
					PM	8.6	8.4	8.2	8.0
A	9-01	9.0	7.6	8.3	AM	8.3	8.2	8.4	8.4
					PM	8.6	8.4	8.2	8.0
A	9-02	8.8	7.6	8.2	AM	8.2	8.2	8.2	8.4
					PM	8.6	8.4	8.2	8.0
A	9-03	8.9	7.6	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.6	8.4	8.2	7.8
A	9-04	8.9	7.6	8.2	AM	8.1	8.0	8.2	8.2
					PM	8.6	8.4	8.3	8.0
A	9-05	9.0	7.6	8.3	AM	8.2	8.2	8.2	8.4
					PM	8.7	8.5	8.3	8.2
A	9-06	9.1	7.6	8.3	AM	8.1	8.2	8.3	8.2
						8.8	8.6	8.2	8.2

UNITED STATES DEPARTMENT OF THE [illegible]
[illegible]

[illegible]
[illegible]
[illegible]
[illegible]

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	[illegible]	[illegible]	[illegible]	MEAN		1	2	3	4
A	[illegible]	[illegible]	7.6	8.2	AM	8.1	8.2	8.3	8.2
					PM	8.8	8.1	8.1	8.2
A	[illegible]	[illegible]	7.4	8.1	AM	7.9	7.9	8.0	8.0
					PM	8.6	7.8	8.1	8.0
A	[illegible]	[illegible]	7.0	7.3	AM	7.6	7.6	7.7	7.6
					PM	[illegible]	[illegible]	[illegible]	7.5
A	9-10	[illegible]	7.6	7.5	AM	7.[illegible]	7.4	7.[illegible]	7.4
					PM	8.4	8.3	7.9	7.2
A	9-11	8.6	7.0	7.7	AM	7.3	7.4	7.4	7.5
					PM	7.9	8.0	7.3	7.7
PERIOD		8.2	7.0						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S-
B - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
S - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
09306022 DATA PROCESSED
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4	VA
AR	9-20	~~14.8~~	~~9.0~~	—*	AM					
					PM	14.0	14.3	14.8	14.2	
A	9-21	16.1	6.9	10.4	AM	8.1	8.0	7.8	7.7	
					PM	15.3	15.9	15.3	16.1	1
A	9-22	14.2	6.8	9.8	AM	8.3	8.0	7.2	7.0	
					PM	14.2	13.2	14.0	14.1	1
A	9-23	16.8	6.8	10.3	AM	7.2	7.0	7.2	7.1	
					PM	14.9	16.3	16.8	16.1	1
A	9-24	15.0	6.8	9.8	AM	7.8	7.1	7.3	7.2	
					PM	12.1	13.0	14.0	15.0	1
A	9-25	14.0	7.0	9.9	AM	8.0	7.8	8.0	8.0	
					PM	13.0	14.0	14.0	13.2	1
A	9-26	15.2	7.2	10.3*	AM	7.8	7.3	7.2	7.2	
					PM	14.3	15.0	15.2	15.2	1
PERIOD		16.8	6.8							

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL
PRIMARY COMPUTATIONS OF QUALITY OF WATE
09306022 DATA PROCESSED
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4	VA
A	9-28	16.3	6.3	9.9	AM	7.5	7.2	7.0	6.8	
					PM	14.8	16.0	16.3	15.8	1
A	9-29	16.6	6.1	9.9	AM	7.3	7.0	6.8	6.6	
					PM	15.2	16.3	16.6	16.1	1
A	9-30	16.5	5.9	9.9	AM	7.0	6.7	6.5	6.3	
					PM	15.3	16.3	16.5	15.9	1
PERIOD		16.6	5.9							

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SP
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIO
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WATI
DATA PROCESSED

09306022
STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

P,

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

V.

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	10-01	16.8	5.9	9.9	AM	7.3	7.0	6.7	6.5
					PM	15.4	16.3	16.8	16.3
A	10-02	15.9	6.2	9.9	AM	7.2	6.9	6.7	6.6
					PM	14.6	15.9	15.9	15.2
A	10-03	15.3	6.0	9.2	AM	7.7	7.3	7.0	6.8
					PM	14.3	15.1	15.3	14.7
A	10-04	16.0	4.7	9.0	AM	5.9	5.6	5.4	5.1
					PM	14.5	15.6	16.0	15.1
A	10-05	15.8	5.0	9.2	AM	6.5	6.2	5.9	5.7
					PM	14.8	15.7	15.8	15.1
A	10-06	16.3	5.2	9.4	AM	6.5	6.2	6.0	5.8
					PM	15.1	16.1	16.3	15.7
A	10-07	16.6	5.6	9.6	AM	6.7	6.6	6.5	6.2
					PM	15.2	16.3	16.6	16.0
A	10-08	16.1	5.7	9.5	AM	6.6	6.3	6.2	6.0
					PM	15.0	16.1	16.1	15.4
A	10-09	14.8	5.3	8.8	AM	7.0	6.7	6.3	6.1
					PM	13.6	14.6	14.8	14.3
A	10-10	15.4	5.1	8.9	AM	6.2	5.9	5.6	5.4
					PM	14.3	15.2	15.4	14.7
A	10-11	15.3	5.3	9.1	AM	6.4	6.2	6.0	5.7
					PM	14.5	15.3	15.1	14.5
A	10-12	15.2	5.5	8.9	AM	6.5	6.2	6.0	5.8
					PM	12.8	14.8	15.2	14.1
A	10-13	15.7	5.3	9.1	AM	6.4	6.1	5.9	5.8
					PM	14.8	15.7	15.6	14.7
A	10-14	11.4	6.3	8.4	AM	6.6	6.3	6.4	6.4
					PM	11.2	11.4	11.0	10.9
A	10-15	15.0	5.3	9.2	AM	7.1	6.7	6.3	6.0
					PM	14.0	15.0	14.9	13.9
A	10-16	14.6	6.1	9.2	AM	8.4	8.3	8.1	8.1
					PM	13.6	14.6	14.5	13.7
	10-17	5.8	4.6	5.1*	AM	5.8	5.5	5.2	5.0
					PM				
	PERIOD	16.8	4.6						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SI
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306022 - STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	TEMPER-ATURE (DEG C)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	WEATHER (WMO CODE NUMBER)	SURFACE AREA (SQ MI)	STREAM-FLOW, INSTAN-TANEOUS (CFS)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	PH (UNITS)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)
OCT												
25...	0945	1.0	80020	1	43	--	2	1410	9.0	--	7.7	15
NOV												
20...	1100	8.0	80020	1	43	1.1	2	1360	11.2	--	8.0	7.8
DEC												
05...	1015	4.0	80020	1	43	--	--	1200	11.4	7	8.4	--
JAN												
18...	0930	6.5	80020	1	43	--	6	1360	9.6	--	8.2	4.9
FEB												
21...	1130	8.0	80020	1	43	--	4	1350	11.4	--	8.4	3.1
APR												
04...	1000	9.5	80020	1	43	--	5	1350	10.6	--	8.2	4.6
18...	1015	12.5	80020	1	43	--	0	1250	10.1	8	7.9	10
JUL												
17...	1420	17.0	80020	--	43	1.3	0	1375	8.6	14	7.7	16

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306022 - STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO, DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ALKALINITY (MG/L AS CACO3)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	NITROGEN, DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT												
25...	390	480	0	--	--	.45	.01	.46	1.0	.09	.00	.03
NOV												
20...	400	490	0	--	--	.55	.06	.61	.97	.03	.03	.01
DEC												
05...	--	--	--	0	--	--	--	--	--	--	--	--
JAN												
19...	400	490	0	--	1.7	.69	.00	.69	.98	.12	.00	.04
FEB												
21...	402	490	0	--	.96	.11	.04	.15	.81	.09	.09	.03
APR												
04...	380	460	0	--	.80	.05	.00	.05	.75	.06	.00	.02
18...	420	510	0	0	.94	.16	.01	.17	.77	.03	.00	.01
JUL												
17...	410	500	0	0	1.6	.75	.01	.76	.80	--	.03	.03

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306022 - STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	SULFIDE TOTAL (MG/L AS S)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM AD-SORP-TION RATIO	SODIUM PERCENT
OCT												
25...	.00	7.6	1.2	--	--	530	130	90	73	120	2.3	33
NOV												
20...	.01	2.2	.8	--	--	560	160	94	79	130	2.4	34
DEC												
05...	--	--	--	.00	.2	--	--	--	--	--	--	--
JAN												
18...	.00	4.1	1.2	--	--	520	120	85	75	120	2.3	33
FEB												
21...	.03	2.1	.6	--	--	530	130	92	72	130	2.5	35
APR												
04...	.00	4.3	.9	--	--	490	110	76	73	130	2.6	37
18...	.00	2.6	4.0	.00	.0	490	68	78	70	130	2.6	37
JUL												
17...	.01	9.5	--	.00	.0	500	89	78	73	120	2.3	34

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306022 - STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO, DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SODIUM, POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)
OCT												
25...	--	1.7	7.2	360	.3	14	1	--	110	--	--	--
NOV												
20...	--	1.5	6.8	370	.2	14	1	--	100	--	--	--
DEC												
05...	--	1.9	--	--	--	--	--	40	--	2	0	1
JAN												
18...	--	1.6	6.7	380	.2	16	1	--	90	--	--	--
FEB												
21...	--	1.4	6.5	370	.2	14	1	--	80	--	--	--
APR												
04...	--	1.3	6.4	370	.2	16	1	--	100	--	--	--
18...	130	1.3	6.1	350	.4	16	1	50	80	<1	10	0
JUL												
17...	120	1.6	6.5	370	.3	16	1	50	100	<1	0	0

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306022 - STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	ZINC, DIS-SOLVED (UG/L AS ZN)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	LITHIUM DIS-SOLVED (UG/L AS LI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ODOR, ATMOS-PHERIC (SEVER-ITY)	GROSS ALPHA, DIS-SOLVED (PCI/L AS U-NAT)
OCT											
25...	20	--	10	--	--	--	--	--	--	0	--
NOV											
20...	30	--	0	--	--	--	--	--	--	0	--
DEC											
05...	--	5	--	4	2600	10	10	7	1	0	--
JAN											
18...	20	--	10	--	--	--	--	--	--	0	--
FEB											
21...	20	--	0	--	--	--	--	--	--	--	--
APR											
04...	0	--	2	--	--	--	--	--	--	0	--
18...	10	0	7	<10	2900	<3	0	9	1	0	<10
JUL											
17...	10	0	4	<10	2900	<3	0	7	1	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306022 - STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, (COLS. PER 100 ML)	PHENOLS (UG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)
OCT											
25...	--	--	--	--	--	--	--	--	907	--	1.23
NOV											
20...	--	--	--	--	--	--	--	--	942	2.9	1.28
DEC											
05...	--	<4.3	<.4	.06	10	3	500	1	--	--	--
JAN											
18...	--	--	--	--	--	--	--	--	931	--	1.27
FEB											
21...	--	--	--	--	--	--	--	--	931	--	1.27
APR											
04...	--	--	--	--	--	--	--	--	903	--	1.23
18...	3.3	<5.5	2.7	.09	--	K130	K25	0	910	--	1.24
JUL											
17...	--	--	--	--	--	--	--	4	919	3.4	1.25

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306022 - STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	BROMIDE DISSOLVED (MG/L AS BR)	PHOSPHORUS TOTAL (MG/L AS PO4)	MERCURY DISSOLVED (UG/L AS HG)	ELEV. OF LAND SURFACE DATUM (FT. NGVD)	DEPTH TO TOP OF SAMPLE INTERVAL (FT)	URANIUM DISSOLVED, EXTRACTION (UG/L)	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)
OCT 25...	.01	--	--	--	6430.00	--	--	--	--	--	--
NOV 20...	.08	--	--	--	6430.00	--	--	--	--	--	--
DEC 05...	--	.2	--	.3	6430.00	--	3.2	<13	<.4	<4.0	<.4
JAN 18...	.00	--	--	--	6430.00	--	--	--	--	--	--
FEB 21...	.05	--	--	--	6430.00	.00	--	--	--	--	--
APR 04...	.00	--	--	--	6430.00	--	--	--	--	--	--
18...	.01	.1	.03	.0	6430.00	--	2.8	<15	4.9	<5.1	2.4
JUL 17...	.01	.1	.09	.0	6430.00	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 10/15/79
09306022 - STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	TEMPERATURE (DEG C)	AGENCY ANALYZING SAMPLE (CODE NUMBER)	SURFACE AREA (SQ MI)	STREAMFLOW, INSTANTANEOUS (CFS)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PH (UNITS)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)
JUL 17...	1420	17.0	80020	43	1.3	0	~~1375~~ 1380	8.6	14	7.7	16

DATE	ALKALINITY (MG/L AS CACO3)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	NITROGEN, DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS P)
JUL 17...	410	500	0	0	1.6	.75	.01	.76	.80	.03	.03

DATE	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	SULFIDE TOTAL (MG/L AS S)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM ADSORPTION RATIO	SODIUM PERCENT
JUL 17...	.01	9.5	.00	.0	500	89	78	73	120	2.3	34

DATE	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)
JUL 17...	120	1.6	6.5	370	.3	16	1	50	100	<1

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	STRONTIUM, DISSOLVED (UG/L AS SR)	ZINC, DISSOLVED (UG/L AS ZN)	ALUMINUM, DISSOLVED (UG/L AS AL)	LITHIUM DISSOLVED (UG/L AS LI)
JUL 17...	0	0	10	0	4	<10	2900	<3	0	7

DATE	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	GROSS ALPHA, DIS-SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	PHENOLS (UG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)
JUL 17...	1	<8.8	.5	<4.7	.5	.07	4	919	3.4	1.25

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	BROMIDE DIS-SOLVED (MG/L AS BR)	PHOS-PHORUS TOTAL (MG/L AS PO4)	MERCURY DIS-SOLVED (UG/L AS HG)	ELEV. OF LAND SURFACE DATUM (FT. NGVD)	URANIUM DIS-SOLVED, EXTRAC-TION (UG/L)	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)
JUL 17...	.01	.1	.09	.0	6430.00	2.9	<13	.8	<4.3	.5

USGS WATER GAUGING STATION 09306058
Willow Creek Near Rio Blanco

A. DAILY TABLES

1. Discharge (Flow)
2. Dissolved Oxygen
3. pH
4. Specific Conductance
5. Temperature

B. WATER QUALITY DATA
PROCESS DATE 9/13/79
10/15/79

Form 9-275

Daily Gage Height, in Feet, and Discharge, in Second-Feet, of WILLOW Creek

Near RIO BLANCO, COLO. for the Year Ending September 30, 1979

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

File Number: Washington 09306058 / District

Used rating table dated No 3

Drainage Area 48.7 Square Miles. Water-Stage Recorder CONTINUOUS Ratio 1 : 6 Gage Read to ..... Once/Twice a Day by .....

Gage heights used to half tenths between and hundredths below and tenths above these limits. feet

Day	October Gage height	October Discharge	November Gage height	November Discharge	December Gage height	December Discharge	January Gage height	January Discharge	February Gage height	February Discharge	March Gage height	March Discharge
1	2.77	0.95	2.78	0.93	2.79	1.22	2.67	.90	2.79	1.0	2.85	1.5
2	2.76	0.93	2.77	.94	2.74	1.22	2.71	.94	2.79	1.0	2.85	1.5
3	a	0.93	2.78	.99	2.88	1.21	2.72	1.04	2.78	1.0	2.85	1.5
4		0.93	2.78	1.01	2.88	1.21	2.75	1.14	2.79	1.0	2.87	1.6
5		0.92	2.77	1.01	2.85	1.21	2.72	1.04	2.79	1.0	2.86	1.6
6		0.92	2.78	1.07	2.52	1.21	2.75	1.14	2.80	1.0	2.86	1.6
7		0.91	2.78	1.12	a	1.20	"b"	1.14	2.80	1.0	2.86	1.6
8		0.91	2.77	1.11		1.19		1.16	2.78	.94	2.86	1.7
9		0.90	2.77	1.14	CLOCK STOPPED	1.18	"b"	1.18	2.77	.90	2.86	1.7
10		0.90	2.77	1.16		1.17	2.77	1.18	2.78	.94	2.86	1.7
11	a	0.89	2.69	.94	a	1.16	2.78	1.22	2.78	.94	2.86	1.7
12	2.75	0.89	2.78	1.28	2.72	1.16	2.77	1.18	2.81	1.1	2.86	1.7
13	2.75	.90	2.73	1.12	2.73	1.18	2.77	1.18	2.82	1.1	"a"	1.6
14	2.76	.91	2.76	1.26	2.73	1.18	2.77	1.18	2.85	1.2	2.83	1.6
15	2.75	.89	2.75	1.27	2.71	1.11	2.77	1.2	2.86	1.3	2.83	1.6
16	2.75	.88	2.75	1.27	2.73	1.18	2.77	1.2	2.86	1.3	2.90	2.0
17	2.75	.87	2.74	1.25	2.72	1.14	2.76	1.1	2.86	1.3	2.93	2.2
18	2.74	.83	2.75	1.25	2.75	1.25	2.76	1.1	2.86	1.3	2.93	2.2
19	2.73	.82	2.75	1.25	2.75	1.22	2.75	1.1	2.84	1.3	2.93	2.2
20	2.74	.83	2.76	1.25	2.73	1.14	2.76	1.1	2.84	1.3	2.94	2.3
21	2.76	.87	2.76	1.24	2.73	1.14	2.75	1.0	2.84	1.3	2.93	2.2
22	2.76	.87	2.77	1.24	2.73	1.14	2.76	1.1	2.84	1.3	2.86	1.9
23	2.75	.85	2.75	1.24	2.73	1.14	b	1.1	2.85	1.4	2.86	1.9
24	2.77	.89	2.78	1.24	2.73	1.14	b	1.1	2.85	1.4	2.87	1.9
25	2.76	.87	2.76	1.23	2.73	1.14	2.78	1.1	2.85	1.4	2.82	1.7
26	2.76	.85	2.77	1.23	2.73	1.11	2.77	1.0	2.85	1.4	2.83	1.8
27	2.75	.83	2.75	1.23	2.73	1.11	b	1.0	2.85	1.4	2.85	1.9
28	2.75	.83	2.80	1.23	2.73	1.11	b	1.0	2.85	1.5	2.86	1.9
29	2.75	.82	2.80	1.22	2.73	1.11	2.78	1.0			2.86	1.9
30	2.76	.84	2.78	1.22	2.73	1.11	b	1.0			2.85	1.9
31	2.78	.90			2.70	1.00	b	1.0			2.87	2.1
Total		27.33		34.94		35.99		33.82		33.02		56.2

Day	April Gage height	April Discharge	May Gage height	May Discharge	June Gage height	June Discharge	July Gage height	July Discharge	August Gage height	August Discharge	September Gage height	September Discharge
1	2.88	2.1	2.26	.04	S	.68	2.80	.94	3.01	4.0	2.92	2.5
2	Clock "a"	2.1	2.33	.07	2.64	.44	2.61	.39	3.04	4.5	2.97	2.7
3	stop	2.1	2.32	.05	2.63	.42	2.44	.09	2.88	2.4	3.02	2.8
4	2.87	2.1	2.32	.05	2.66	.50	2.45	.10	2.79	1.1	2.91	2.1
5	2.87	2.1	2.31	.03	2.71	.63	2.50	.16	2.79	1.5	2.90	1.9
6	2.86	2.1	2.41	.13	2.76	.78	2.65	.50	2.79	1.5	2.91	2.1
7	2.87	2.1	2.44	.14	2.73	.69	2.68	.57	2.83	1.9	2.90	2.2
8	2.86	2.1	2.70	.75	2.67	.52	2.69	.63	2.78	1.4	2.95	2.5
9	2.86	2.1	2.69	.72	2.72	.66	2.74	.78	2.77	1.3	2.94	2.4
10	2.90	2.3	2.52	.26	2.66	.50	2.75	.81	2.78	1.4	2.86	1.8
11	2.90	2.3	2.53	.26	2.68	.55	Clock "a"	.87	2.82	1.8	2.86	1.8
12	2.90	2.3	2.55	.30	2.73	.69	stop	.93	2.82	1.8	2.86	1.7
13	2.93	2.5	2.45	.11	2.79	.87	2.81	1.0	2.81	1.7	2.87	1.7
14	2.92	2.5	2.42	.07	2.81	.94	2.81	1.0	2.78	1.4	2.84	1.5
15	2.88	2.2	2.42	.07	2.89	1.2	2.66	.55	2.82	1.8	2.81	1.3
16	2.68	1.4	2.44	.08	2.91	1.3	2.62	.44	2.86	2.2	2.80	1.2
17	2.28	.14	2.44	.07	Flush	1.3	2.62	.44	2.88	2.4	2.79	1.2
18	2.24	.14	2.43	.06	"a"	1.3	2.61	.44	2.87	2.3		1.1
19	2.45	.46	2.36	.01	Cap open	1.2	2.60	.42	2.87	2.3		.97
20	2.49	.52	2.39	.02	2.88	1.2	2.61	.44	2.91	2.5		.94
21	2.48	.49	2.39	.02	2.87	1.2	2.62	.50	2.92	2.6		.84
22	2.55	.64	2.44	.07	2.91	1.3	2.64	.57	2.90	2.5		.90
23	2.46	.40	2.44	.07	2.97	1.6	2.75	1.18	2.90	2.6		2.4
24	2.37	.20	"a"	.33	2.94	1.5	3.03	4.29	2.90	2.5		2.1
25	2.37	.23	2.71	.60	2.93	1.4	3.04	4.47	2.90	2.5		2.7
26	2.36	.16	2.59	.30	2.99	1.7	2.99	3.78	2.89	2.4		2.2
27	2.22	.02	2.61	.34	3.00	1.8	3.01	3.99	2.89	2.3		2.2
28	2.19	.07	2.71	.60	2.94	1.5	3.00	3.85	2.93	2.5		2.2
29	2.36	.13	2.77	.81	2.78	.87	3.00	3.85	2.94	2.6		2.2
30	2.22	.01	2.74	.72	2.78	.87	3.00	3.85	2.93	2.8		2.2
31			2.70	.60			3.00	3.85	2.93	2.7		
Total		38.01		7.75		30.11		45.68		69.2		

Mean Second-feet per square mile

Run-off in inches

Run-off in acre-feet

Maximum

Minimum

PRELIMINARY DATA SUBJECT TO REVISION

Quarter: First / Second / Third / Fourth

Period Year

Computed

Checked

Date

II A-196

DISCHARGE, IN CFS, WATER YEAR 1980, MEAN VALUES, FOR

WILLOW CR NR RIO BLANCO, CO 09306058 WY 1980

	Oct.	Nov.
1	2.20	4.40
2	5.20	5.20
3	4.60	5.20
4	4.60	5.60
5	4.60	6.00
6	4.90	6.00
7	4.60	5.20
8	4.60	4.40
9	4.40	4.60
10	4.40	4.60
11	4.10	4.60
12	3.90	4.90
13	3.90	4.90
14	4.10	0.00
15	3.90	0.00
16	3.70	0.00
17	3.90	0.00
18	4.10	0.00
19	4.10	0.00
20	4.40	0.00
21	4.40	0.00
22	3.90	
23	3.90	
24	4.00	
25	3.70	
26	3.90	
27	3.90	
28	4.40	
29	5.20	
30	5.60	
31	4.40	
TOTAL	131.50	0.00

Coding Form for Input and Update of Daily Values--Continued

DO MAX (mg/l)

Station identification number 09306058 Willow Cr. Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	NO RECORD		10.5				1	PUMP BLOCK						1
	2			999999				2							2
	3							3							3
	4	6.0						4							4
	5	6.0						5							5
	6	5.9						6							6
	7	5.7	999999					7							7
	8	5.6	BAD					8							8
Card No. 02	9		PROBE					9							9
	10							10							10
	11							11							11
	12							12							12
	13							13							13
	14							14							14
	15						10.2	15							15
	16						10.0	16							16
Card No. 03	17		9.6				10.0	17							17
	18		9.7				PUMP	18							18
	19		6.6				BLOCKED	19							19
	20		9.0					20							20
	21		8.7	LINES			9.5	21							21
	22		11.5	FROZEN			10.2	22							22
	23		10.9				9.9	23							23
	24		10.7				9.8	24							24
Card No. 04	25		10.7				PUMP BLOCK	25							25
	26	6.2	10.3				9.3	26							26
	27	6.3	10.4				10.2	27							27
	28	6.1	10.6				9.4	28							28
	29	5.8	10.7				9.8	29							29
	30	5.9	10.2			-------	9.2	30							30
	31	5.9	-------			-------	10.1	31	-------		-------			-------	31

TOTAL CHECK CARD

Type: T (1)

Water year: 1979 (17–20)

Total value (sum of daily value entries): (21–32)

Par Code 00300

Stat Code 00001

PRELIMINARY DATA SUBJECT TO REVISION

Remarks

D.O. MIN (mg/l)

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306053 Willow Cr. Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	GOOD		10.0				1	999999						1
	2			9.9999-				2							2
	3							3							3
	4	4.2	BAD					4							4
	5	4.1	PROBE					5							5
	6	3.9	999999					6							6
	7	3.7						7							7
	8	3.8						8							8
Card No. 02	9							9							9
	10							10							10
	11							11							11
	12							12							12
	13							13							13
	14	NO						14							14
	15			LINES			8.2-	15							15
	16	DATA		FROZEN			8.0	16							16
Card No. 03	17		7.2				PUMP	17							17
	18		5.9				BLOCKED	18							18
	19		7.7					19							19
	20		4.6					20							20
	21		8.2					21							21
	22		5.5				9.0	22							22
	23		10.1				8.5	23							23
	24		7.9				99999	24							24
Card No. 04	25		9.9					25							25
	26	5.0	7.5				99999	26							26
	27	5.0	6.2				9.2	27							27
	28	4.6	7.6				99999	28							28
	29	4.5	9.7					29							29
	30	4.2	6.4			-------		30							30
	31	4.4	-------			-------	99999	31	-------		-------			-------	31

TOTAL CHECK CARD

Type: T (1) Water year: 1979 (17–20) Total value (sum of daily value entries) (21–32)

Par Code 00300

Stat Code 00003

PRELIMINARY DATA SUBJECT TO REVISION

Remarks

D.O.
MEAN (mg/l)

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306058 Willow Cr. Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1			10.2				1	999999						1
	2			999999				2							2
	3							3							3
	4	5.1						4							4
	5	5.0	999999					5							5
	6	5.0	BAD					6							6
	7	4.7	PROBE					7							7
	8	4.6						8							8
Card No. 02	9							9							9
	10							10							10
	11							11							11
	12							12							12
	13							13							13
	14	NO DATA						14							14
	15						9.0	15							15
	16						9.1	16							16
Card No. 03	17		9.3				999999	17							17
	18		8.2					18							18
	19		5.6					19							19
	20		6.8					20							20
	21		7.4				999999	21							21
	22		8.9				9.5	22							22
	23		10.5				9.4	23							23
	24		10.3				999999	24							24
Card No. 04	25		8.6					25							25
	26	5.4	9.2				999999	26							26
	27	5.5	8.3				9.6	27							27
	28	5.3	10.2				999999	28							28
	29	5.1	10.0					29							29
	30	5.2	9.8			-------		30							30
	31	5.6	-------			-------	999999	31	-------		-------			-------	31

TOTAL CHECK CARD

Type: T (1) Water year: 1979 (17–20) Total value (sum of daily value entries): (21–32)

Par Code 00300

Stat Code 00003

PRELIMINARY DATA SUBJECT TO REVISION

Remarks

GPO : 1971 C 2-477

UNITED STATES DEPARTMEN
PRIMARY CO

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDIN

S	DATE	MAX	MIN	MEAN		1
A	4-02	10.1	9.3	9.6*	AM	
					PM	9.7
A	4-03	10.4	9.0	9.7	AM	10.1
					PM	9.1
A	4-04	10.2	9.0	9.6	AM	9.8
					PM	9.3
A	4-05	10.3	8.4	9.4	AM	9.7
					PM	9.1
A	4-06	10.3	8.3 ~~4.8~~	9.6 ~~9.3~~	AM	9.6
					PM	9.2
A	4-07	~~5.8~~ DELETE		~~4.4~~	AM	~~4.7~~
		BLOCKED FILTER			PM	~~4.2~~
A	4-08	~~5.9~~	~~3.2~~	~~4.3~~	AM	~~4.6~~
			8.4	8.7	PM	~~6.8~~
A	4-09	9.1	~~3.6~~	~~6.0~~	AM	~~5.7~~
					PM	~~5.0~~
A	4-10	9.7	8.9	9.2	AM	8.9
					PM	9.7
A	4-11	9.9	8.5	9.4	AM	9.3
					PM	9.7
A	4-12	10.1	3.8	7.6	AM	8.6
					PM	3.8
A	4-13	10.6	7.8	9.3	AM	10.2
					PM	8.7
A	4-14	10.0	6.4	8.0	AM	9.7
					PM	6.4
A	4-15	8.7	6.4	7.6	AM	8.0
					PM	7.0
AR	4-16	9.2	6.6	8.3	AM	8.1
					PM	⊗
A	4-17	10.7	6.5	8.9	AM	9.3
					PM	8.1
A	4-18	9.7	8.5	9.0	AM	9.0
					PM	8.7
A	4-19	10.0	7.8	9.3	AM	9.6
					PM	8.1
A	4-20	10.4	7.6	9.5	AM	9.8
					PM	8.8
A	4-21	10.6	8.9	9.8	AM	10.4
					PM	9.4
A	4-22	10.2	8.9	9.7	AM	10.0
					PM	9.4
A	4-23	10.3	8.3 ~~4.1~~	8.8	AM	10.0
					PM	8.4
A	4-24	10.7	8.8	9.4	AM	8.8

UNITED STATES DEPARTME
PRIMARY C

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDI

S	DATE	MAX	MIN	MEAN		1
					PM	10.
A	4-25	12.0	8.7	10.2	AM	10.
					PM	9.
A	4-26	11.4	8.9	10.3	AM	11.
			8.6	9.4	PM	8.
A	4-27	11.2	~~4.3~~	~~8.4~~	AM	8.
			9.1	10.2	PM	8.
A	4-28	11.0	~~4.1~~	~~9.0~~	AM	10.
					PM	9.
A	4-29	11.0	9.1	10.2	AM	10.
					PM	9.
A	4-30	11.5	9.4	10.3	AM	10.
					PM	10.
A	5-01	12.2	10.1	11.2*	AM	10.
					PM	
PERIOD		12.2	3.2			

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWIN
A - SUCCESSIVE RECORDED PUNCH READI
R - ONE OR MORE INPUT VALUE IS OUTS
* - DAILY SUMMARY IS FOR AN INCOMPL
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WATI
DATA PROCESSED

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

P.

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

V.

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	7-03	11.5	7.7	9.1	AM				
					PM		11.5	9.7	10.0
A	7-04	10.4	7.6	9.0	AM	8.2	8.3	8.4	8.5
					PM	10.0	10.4	9.8	9.9
A	7-05	9.6	7.7	8.6	AM	8.3	8.4	8.5	8.5
					PM	9.4	9.4	8.9	8.4
A	7-06	9.5	7.8	8.3	AM	8.0	8.0	8.1	8.1
					PM	8.9	8.4	8.6	9.4
A	7-07	9.6	7.6	8.5	AM	7.9	7.9	8.0	8.0
					PM	9.6	9.6	9.6	9.4
A	7-08	10.4	7.5	8.7	AM	7.7	7.8	7.8	7.8
					PM	10.3	10.4	10.4	10.1
A	7-09	10.7	7.3	8.7	AM	7.6	7.7	7.7	7.7
					PM	10.5	10.5	10.7	10.6
A	7-10	11.3	7.3	9.0	AM	7.5	7.6	7.6	7.6
					PM	11.3	11.3	11.1	10.8
A	7-11	11.7	7.2	8.9	AM	7.4	7.4	7.5	7.5
					PM	11.5	11.7	11.3	10.8
A	7-12	11.7	7.0	8.9	AM	7.3	7.4	7.4	7.4
					PM	11.6	11.7	11.5	10.7
A	7-13	11.5	6.7	8.4	AM	7.1	7.1	7.2	7.2
					PM	11.5	11.4	10.9	10.1
A	7-14	11.1	6.9	8.3	AM	6.9	7.0	7.0	7.0
					PM	11.0	11.1	10.4	10.7
A	7-15	11.8	7.0	8.7	AM	7.1	7.2	7.3	7.3
					PM	11.3	8.8	7.7	11.5
A	7-16	12.7	7.0	9.0	AM	7.2	7.2	7.3	7.4
					PM	12.7	12.6	11.1	8.2
A	7-17	12.2	7.3	9.0*	AM	7.3	7.4	7.4	7.4
					PM	12.2			
PERIOD		12.7	6.7						

fm 12.0

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATE

09306058
WILLOW CREEK NEAR RIO BLAN
DISSOLVED OXYGEN (DO), MG/

PROVISIONAL DATA FOR WATEF

S	DATE	MAX	MIN	MEAN	
A	7-17	12.9	7.9	9.4	AM
A	7-18	12.6	8.0	9.7	PM
A	7-19	11.8	8.0	9.6	
A	7-20	11.2	8.0	9.3	AM
A	7-21	11.4	7.7	9.4	AM
A	7-22	11.1	7.9	9.1	PM
A	7-23	11.3	7.5	8.9	
A	7-24	9.0	7.4	8.2	AM
	7-25	8.9	7.6	8.2	PM
A	7-26	9.0	8.0	8.4	PM
A	7-27	9.1	7.9	8.4	
A	7-28	9.1	7.9	8.4	AM
A	7-29	9.1	7.8	8.5	PM
A	7-30	9.3	7.8	8.6	
A	7-31	9.3	7.8	8.6	AM
A	8-01	9.3	7.7	8.5	AM
A	8-02	9.2	7.6	8.4	PM
A	8-03	9.2	7.3	8.3	
	8-04	8.3	7.1	7.7	AM
A	8-05	7.8	7.0	7.5	PM
A	8-06	7.8	7.1	7.3	PM
A	8-07	7.7	6.5	7.2	
A	8-08	7.9	6.9	7.3	AM

UNITED STATES DEF
PRI

09306058
WILLOW CREEK NEAR RIO BLANCO, (
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAF

S	DATE	MAX	MIN	MEAN	
A	8-09	7.9	6.8	7.3	PM AM
A	8-10	7.7	6.8	7.2	PM AM PM
A	8-11	7.8	6.7	7.3	AM PM
A	8-12	8.0	6.6	7.2	AM PM
A	8-13	8.2	6.7	7.3	AM PM
A	8-14	8.6	6.9	7.5	AM PM
A	8-15	8.2	7.0	7.5	AM PM
A	8-16	7.9	7.0	7.4*	AM PM
PERIOD		12.9	6.5		

NOTE.- SYMBOLS USED ABOVE HAVE THE FO
A - SUCCESSIVE RECORDED PUNCH
R - ONE OR MORE INPUT VALUE I
* - DAILY SUMMARY IS FOR AN I
% - UNIT VALUES RECORD WRITTE

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

VA

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	8-16	7.8	7.5	7.5	AM				@1600 m8.3 R 8
					PM				
A	8-17	8.7	7.5	8.0	AM	7.7	7.8	7.8	7.8
					PM	8.7	8.5	8.5	8.3
A	8-18	9.0	7.5	7.9	AM	7.6	7.7	7.7	7.7
					PM	7.8	8.7	8.3	8.0
A	8-19	8.6	7.6	7.9	AM	7.6	7.6	7.6	7.6
					PM	8.3	8.4	7.7	8.4
A	8-20	8.5	7.5	7.8	AM	7.6	7.6	7.6	7.6
					PM	7.7	8.4	7.8	8.2
A	8-21	8.5	7.4	7.9	AM	7.7	7.7	7.7	7.8
					PM	8.5	8.3	8.3	7.8
A	8-22	8.6	7.2	7.9	AM	7.6	7.7	7.7	7.7
					PM	8.6	8.6	8.4	8.2
A	8-23	8.6	7.0	7.7	AM	7.5	7.5	7.5	7.6
					PM	8.5	8.5	8.4	7.8
A	8-24	8.6	7.0	7.7	AM	7.3	7.3	7.3	7.3
					PM	8.6	8.5	8.3	8.1
A	8-25	8.7	7.1	7.7	AM	7.3	7.4	7.4	7.4
					PM	8.7	8.7	8.4	7.9
A	8-26	8.7	7.1	7.7	AM	7.3	7.3	7.4	7.4
					PM	8.7	8.3	8.6	8.5
A	8-27	8.9	7.0	7.8	AM	7.4	7.4	7.4	7.4
					PM	8.9	8.7	8.3	8.4
A	8-28	8.7	6.9	7.7	AM	7.1	7.2	7.2	7.3
					PM	8.7	8.6	8.4	8.1
A	8-29	8.7	7.1	7.7	AM	7.2	7.3	7.3	7.3
					PM	8.6	8.7	8.5	8.2
A	8-30	9.1	7.2	7.7	AM	7.4	7.4	7.4	7.4
					PM	8.1	8.2	9.1	8.6
A	8-31	8.9	7.1	7.8	AM	7.3	7.3	7.4	7.4
					PM	8.9	8.9	8.7	8.4
A	9-01	8.9	7.1	7.9	AM	7.5	7.5	7.5	7.6
					PM	8.9	8.8	8.7	8.4
A	9-02	9.1	7.1	7.9	AM	7.4	7.5	7.5	7.6
					PM	9.0	8.8	8.7	8.4
A	9-03	8.9	7.0	7.8	AM	7.4	7.5	7.5	7.5
					PM	8.9	8.8	8.2	8.1
A	9-04	9.2	7.3	7.9	AM	7.3	7.3	7.4	7.4
					PM	9.2	9.1	9.0	8.7
A	9-05	9.2	7.1	8.0	AM	7.6	7.6	7.7	7.7
					PM	9.2	9.1	8.9	8.6
A	9-06	9.1	7.2	7.9	AM	7.4	7.5	7.5	7.5
					PM	9.1	9.0	9.0	8.6

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WATE

09306058 DATA PROCESSED

WILLOW CREEK NEAR RIO BLANCO. CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	9-07	9.2	7.2	7.9	AM	7.5	7.5	7.5	7.5
					PM	9.1	8.2	9.1	8.2
A	9-08	9.1	7.1	7.8	AM	7.4	7.5	7.5	7.5
					PM	8.9	8.0	8.4	8.0
A	9-09	8.9	7.0	7.7	AM	7.3	7.3	7.3	7.4
					PM	8.9	8.3	8.3	8.7
A	9-10	9.4	7.2	7.8	AM	7.2	7.3	7.3	7.4
					PM	9.4	9.2	8.5	8.1
A	9-11	9.3	7.3	8.0	AM	7.4	7.4	7.5	7.5
					PM	8.5	8.9	8.5	8.9
A	9-12	9.5	7.5	8.2	AM	7.6	7.6	7.7	7.7
					PM	9.5	9.5	9.3	8.9
A	9-13	9.7	7.7	8.4	AM	7.8	7.8	7.8	7.8
					PM	9.7	9.7	9.4	9.4
A	9-14	9.8	7.8	8.5	AM	7.9	7.9	7.9	8.0
					PM	9.8	9.7	9.6	9.2
A	9-15	10.0	7.8	8.6	AM	8.1	8.1	8.2	8.2
					PM	10.0	9.9	9.6	9.2
A	9-16	10.0	7.7	8.6	AM	8.1	8.2	8.2	8.2
					PM	10.0	9.8	9.6	9.1
A	9-17	10.0	7.6	8.5	AM	8.0	8.1	8.1	8.2
					PM	10.0	9.9	9.6	9.2
AR	9-18	10.1	8.2	*	AM	8.0	8.0	8.1	8.1
					PM	9.9	10.1-	Fm 9.9	
PERIOD		10.1	6.9						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SI
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	9-18	9.6	7.7	8.3*	AM		fm 9.9		
					PM			9.6	9.3
A	9-19	10.2	8.0	8.8*	AM	8.0	8.0	8.0	8.0
					PM	10.2	10.2	9.5	8.0
PERIOD		10.2	7.7						

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WATI
DATA PROCESSED

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	9-21	9.8	~~4.3~~ 7.7	8.3*	AM				
					PM	9.6	9.6	9.8	9.1
A	9-22	9.9	7.7	8.5	AM	7.8	7.9	7.9	8.0
					PM	9.9	9.7	9.3	9.2
A	9-23	8.9	7.4	8.2	AM	7.9	7.9	7.9	8.0
					PM	8.6	8.9	8.7	8.5
A	9-24	9.2	7.6	8.3	AM	8.2	8.3	8.3	8.4
					PM	8.7	8.4	8.5	8.2
A	9-25	9.2	7.6	8.3	AM	8.1	8.1	8.1	8.1
					PM	8.6	8.6	8.6	8.3
A	9-26	9.2	8.1	8.4*	AM	8.1	8.1	8.2	8.2
					PM	9.2	8.8	8.9	8.3
PERIOD		9.9	4.3						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SP
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIO
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4
	AR 10-15			*	AM				
					PM				9.0
	AR 10-16				AM		8.3		8.4
					PM	10.0			
	AR 10-17	MEAS CRNT MALFUNCTION			AM	8.6			
					PM			9.6	
	AR 10-18				AM	8.2			
					PM		9.8		9.0
	AR 10-19				AM	8.1	8.2	8.2	
					PM	9.6		9.6	
	AR 10-20				AM		8.0	8.2	8.2
					PM				8.8
	AR 10-21				AM				
					PM				
	AR 10-22				AM				
					PM	10.4		10.0	
	AR 10-23				AM				
					PM	10.1			8.9
	AR 10-24			*	AM		8.9		
					PM	10.1			
	PERIOD								

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

Coding Form for Input and Update of Daily Values--Continued

Par Code 00300 D.O. (mg/l)

Stat Code 00001 MAX

Station identification number 09306058 Willow Cr. Water year 1980

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3							3							3
	4							4							4
	5							5							5
	6							6							6
	7							7							7
	8							8							8
Card No. 02	9							9							9
	10		10.2					10							10
	11		10.2					11							11
	12		10.4					12							12
	13		10.4					13							13
	14							14							14
	15							15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24	9.9						24							24
Card No. 04	25	10.1						25							25
	26	9.9						26							26
	27	10.2						27							27
	28	10.3						28							28
	29	10.2						29							29
	30	10.4				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1)

Water year (17–20)

Total value (sum of daily value entries) (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

Coding Form for Input and Update of Daily Values--Continued

Par Code 00300 D.O.

Station identification number 09306058 Willow Cr.

Water year 1990

Stat Code 00002 MN

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3							3							3
	4							4							4
	5							5							5
	6							6							6
	7							7							7
	8							8							8
Card No. 02	9							9							9
	10		8.8					10							10
	11		9					11							11
	12		9					12							12
	13		9.6					13							13
	14							14							14
	15	999999						15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23	999999						23							23
	24	8.2						24							24
Card No. 04	25	8.1						25							25
	26	8.2						26							26
	27	8.3						27							27
	28	8.5						28							28
	29	8.8						29							29
	30	9.1				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1)

Water year (17–20)

Total value (sum of daily value entries) (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Remark

II A-210

Coding Form for Input and Update of Daily Values--Continued

Par Code 00300 D.O. mg/l

Station identification number 09306058 Willow Cr.

Water year

Stat Code 00003 MEAN

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3							3							3
	4							4							4
	5							5							5
	6							6							6
	7							7							7
	8							8							8
Card No. 02	9							9							9
	10							10							10
	11							11							11
	12							12							12
	13							13							13
	14							14							14
	15							15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24							24							24
Card No. 04	25	9						25							25
	26							26							26
	27							27							27
	28							28							28
	29							29							29
	30					-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type: T (1)

Water year: 17 – 20

Total value (sum of daily value entries): 21 – 32

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

Coding Form for Input and Update of Daily Values--Continued

pH MAX (units)

Station identification number 09306058 Willow Cr. Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	NO DATA	8.1	8.2				1	8.3						1
	2		8.1					2							2
	3		8.0					3							3
	4	8.2	8.1					4							4
	5	8.2	8.0					5							5
	6	8.2	8.0					6							6
	7	8.1	8.0					7							7
	8	8.1	8.1					8							8
Card No. 02	9	8.1	8.1					9							9
	10	8.1	8.1					10							10
	11	8.1	8.2					11							11
	12	8.1	999999					12							12
	13	8.1	8.1					13							13
	14	8.1	8.1					14							14
	15	8.0	8.0				8.5	15							15
	16	8.0	8.3				8.1	16							16
Card No. 03	17	8.1	8.3	LINES FROZEN			8.3	17							17
	18	8.0	8.4				8.4	18							18
	19	8.0	8.2				8.3	19							19
	20	8.0	8.3				8.1	20							20
	21	8.1	8.2				8.6	21							21
	22	8.0	8.1				8.4	22							22
	23	8.0	8.2				8.3	23							23
	24		8.2				8.2	24							24
Card No. 04	25		8.2				8.2	25							25
	26	8.1	8.2				8.4	26							26
	27	8.2	8.2				8.3	27							27
	28	8.2	8.2				8.3	28							28
	29	8.2	8.2				8.7	29							29
	30	8.1	8.2			-------	8.5	30							30
	31	8.1	-------			-------	8.6	31	-------		-------			-------	31

TOTAL CHECK CARD

Type: T (1)

Water year: 1979 (17–20)

Total value (sum of daily value entries): (21–32)

Par Code 00400

Stat Code 0001

PRELIMINARY DATA SUBJECT TO REVISION

Remarks

II A-212

pH MIN (units)

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306058 Willow Cr. Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	8.0	8.0	8.1				1	7.9						1
	2	8.0	7.9					2							2
	3	8.0	7.9					3							3
	4	8.0	7.9					4							4
	5	7.9	7.9	FROZEN				5							5
	6	8.0	7.9	LINES				6							6
	7	7.9	7.9					7							7
	8	7.9	7.9					8							8
Card No. 02	9	7.9	8.0					9							9
	10	7.9	8.0					10							10
	11	7.9	8.1					11							11
	12	7.9	7.9999					12							12
	13	7.9	8.0					13							13
	14	7.9	8.0					14							14
	15	7.9	8.0				8.2	15							15
	16	7.9	8.3				7.7	16							16
Card No. 03	17	7.8	8.3				7.9	17							17
	18	7.9	8.3				8.1	18							18
	19	7.9	8.1				7.9	19							19
	20	7.9	8.1				7.9	20							20
	21	7.9	8.1				8.0	21							21
	22	7.9	8.1				8.0	22							22
	23	7.9	8.2				7.8	23							23
	24		8.1				7.7	24							24
Card No. 04	25		8.1				7.8	25							25
	26	8.0	8.1				8.1	26							26
	27	8.0	8.2				8.2	27							27
	28	8.0	8.1				7.9	28							28
	29	8.0	8.2				7.9	29							29
	30	8.0	8.1			-------	7.9	30							30
	31	8.0	-------			-------	8.2	31	-------		-------			-------	31

TOTAL CHECK CARD

Type	Water year	Total value (sum of daily value entries)
T	1979	
1	17 20	21 32

Par Code 00400

Stat Code 01

PRELIMINARY DATA SUBJECT TO REVISION

Remarks

PH MEAN (units)

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306058 Willow Cr. Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	No Rec	8.1	8.1	↑	↑	↑	1	8.1						1
	2		8.0	↑				2							2
	3		8.0					3							3
	4	8.1	8.0					4							4
	5	8.1	8.0					5							5
	6	8.1	8.0					6							6
	7	8.1	8.0					7							7
	8	8.1	8.0					8							8
Card No. 02	9	8.1	8.0					9							9
	10	8.1	8.0					10							10
	11	8.1	8.0					11							11
	12	8.0	999999					12							12
	13	8.0	8.0					13							13
	14	8.0	8.0				↓	14							14
	15	8.0	8.0				8.1	15							15
	16	8.0	8.3				8.0	16							16
Card No. 03	17	8.0	8.3				8.1	17							17
	18	8.0	8.3				8.2	18							18
	19	8.0	8.2				8.1	19							19
	20	7.9	8.2				8.0	20							20
	21	8.0	8.1				8.2	21							21
	22	8.0	8.3				8.2	22							22
	23	8.0	8.2				8.0	23							23
	24	↑	8.2				7.9	24							24
Card No. 04	25	↓	8.2				8.0	25							25
	26	8.1	8.2				8.2	26							26
	27	81	8.2				8.3	27							27
	28	8.1	8.2				8.1	28							28
	29	8.1	8.2			↓	8.2	29							29
	30	8.1	8.2			-------	8.2	30							30
	31	8.1	-------	↓	↓	-------	8.5	31	-------		-------			-------	31

TOTAL CHECK CARD

Type: T (1)

Water year: 1979 (17–20)

Total value (sum of daily value entries): (21–32)

Par Code 00400

Stat Code 00003

Remarks

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT
PRIMARY CO

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING

S	DATE	MAX	MIN	MEAN		1
	4-02	8.6	8.2	8.4*	AM	
					PM	8.4
A	4-03	8.9	2.4	8.3	AM	8.6
					PM	2.4
A	4-04	8.8	8.2	8.5	AM	8.7
					PM	8.5
A	4-05	9.2	7.9	8.2	AM	8.2
					PM	8.2
A	4-06	8.3	7.9	8.2	AM	8.1
					PM	8.2
A	4-07	8.3	7.9	8.1	AM	8.2
					PM	7.9
	4-08	8.4	7.9	8.1	AM	8.2
					PM	8.1
A	4-09	8.4	7.6	8.0	AM	8.0
					PM	8.1
A	4-10	8.2	7.6	7.8	AM	7.6
					PM	7.8
A	4-11	8.4	8.0	8.2	AM	8.2
					PM	8.3
A	4-12	8.4	7.5	8.0	AM	8.1
					PM	7.8
A	4-13	8.0	7.4	7.7	AM	7.8
					PM	7.6
A	4-14	7.7	6.7	7.3	AM	7.7
					PM	7.3
A	4-15	7.4	6.5	7.0	AM	7.0
					PM	7.2
A	4-16	8.2	7.0	7.6	AM	7.0
			8.2	8.4	PM	X
A	4-17	8.5	~~1.1~~	~~3.6~~	AM	8.3
			8.1	8.2	PM	~~1.1~~
A	4-18	8.2	~~1.1~~	~~3.5~~	AM	~~1.3~~
					PM	~~1.1~~
A	4-19	8.7	8.3	8.5	AM	8.3
					PM	8.3
A	4-20	8.8	8.1	8.4	AM	8.7
					PM	8.1
A	4-21	8.9	8.2	8.5	AM	8.7
					PM	8.2
A	4-22	8.7	8.2	8.5	AM	8.6
			8.3	8.6	PM	8.2
A	4-23	8.8	~~1.1~~	~~4.8~~	AM	8.6
			8.0	8.1	PM	~~1.1~~
A	4-24	8.4	~~1.1~~	~~5.3~~	AM	

UNITED STATES DEPARTMENT
PRIMARY CON

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING

S	DATE	MAX	MIN	MEAN		1
					PM	8.4
A	4-25	8.8	8.3	8.5	AM	8.3
					PM	8.4
A	4-26	8.8	8.2	8.5	AM	8.6
			8.5	8.6	PM	8.2
A	4-27	8.8	~~1.1~~	~~5.5~~	AM	8.6
			8.4	8.5	PM	8.7
A	4-28	8.7	~~1.1~~	~~6.0~~	AM	8.5
					PM	~~1.3~~
A	4-29	8.7	8.3	8.5	AM	8.5
					PM	8.5
A	4-30	8.8	8.3	8.6	AM	8.5
					PM	8.5
	5-01	8.8	8.5	8.7*	AM	8.5
					PM	
PERIOD			1.1			

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING
A - SUCCESSIVE RECORDED PUNCH READING
R - ONE OR MORE INPUT VALUE IS OUTSID
* - DAILY SUMMARY IS FOR AN INCOMPLET
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

probe temp bad

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	7-03	8.3	7.7	8.1	AM				
					PM		8.3	8.1	8.3
A	7-04	8.3	7.5	7.9	AM	7.8	7.9	7.8	7.8
					PM	7.8	8.2	8.1	8.1
A	7-05	8.4	7.4	7.9	AM	7.6	7.7	7.7	7.8
					PM	8.3	8.4	8.4	8.2
A	7-06	8.1	7.4	7.7	AM	7.6	7.7	7.7	7.8
					PM	8.1	7.9	7.6	7.6
A	7-07	8.1	7.4	7.7	AM	7.5	7.6	7.6	7.7
					PM	7.9	8.0	7.9	7.7
A	7-08	8.1	7.4	7.7	AM	7.6	7.6	7.6	7.7
					PM	7.9	7.8	7.8	7.8
A	7-09	8.1	7.4	7.8	AM	7.6	7.8	7.7	7.8
					PM	8.0	7.9	7.6	7.9
A	7-10	8.2	7.4	7.8	AM	7.7	7.7	7.8	7.8
					PM	8.0	7.8	7.8	7.7
A	7-11	8.2	7.4	7.8	AM	7.6	7.6	7.7	7.8
					PM	8.0	7.9	7.7	7.6
A	7-12	8.2	7.4	7.8	AM	7.5	7.6	7.7	7.7
					PM	8.1	8.0	7.8	7.7
A	7-13	8.1	7.4	7.8	AM	7.5	7.6	7.7	7.7
					PM	8.0	7.9	7.8	7.7
A	7-14	8.2	7.5	7.8	AM	7.6	7.7	7.8	7.8
					PM	8.1	8.0	7.9	7.8
A	7-15	8.2	7.5	7.8	AM	7.7	7.7	7.7	7.7
					PM	8.2	7.9	7.7	7.8
A	7-16	8.5	7.6	7.9	AM	7.6	7.6	7.7	7.7
					PM	8.4	8.5	8.1	7.8
	7-17	8.3	7.6	7.9*	AM	7.6	7.7	7.7	7.8
					PM	8.3			
PERIOD		8.5	7.4						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SP
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIO
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATE

09306058
WILLOW CREEK NEAR RIO BLAN
PH (UNITS)

PROVISIONAL DATA FOR WATER

DATE	MAX	MIN	MEAN	
7-17	8.1	7.4	7.8	AM
7-18	8.1	7.6	7.9	
7-19	8.3	7.4	7.8	PM
7-20	8.2	7.5	7.8	AM
7-21	8.2	7.5	7.8	AM
7-22	8.1	7.5	7.7	
7-23	8.1	7.5	7.8	PM
7-24	8.0	7.6	7.8	AM
7-25	8.0	7.5	7.8	
				PM
7-26	8.0	7.4	7.7	
7-27	8.2	6.1	7.7	PM
7-28	8.3	8.2	8.3	AM
7-29	8.3	8.3	8.3	
7-30	8.3	8.3	8.3	PM
7-31	8.3	8.3	8.3	AM
8-01	8.3	8.3	8.3	AM
8-02	8.3	8.2	8.3	
8-03	8.4	8.2	8.3	PM
8-04	8.3	8.2	8.3	AM
8-05	8.3	8.1	8.2	
				PM
06	8.2	8.1	8.2	
8-07	8.3	8.1	8.2	PM
8-08	8.2	8.1	8.2	AM

probe comp bad

UNITED STATES DEPAR
PRIMAR

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR E

S	DATE	MAX	MIN	MEAN	
	8-09	8.2	8.1	8.2	PM AM
	8-10	8.2	8.1	8.2	PM AM
	8-11	8.2	8.1	8.2	PM AM
	8-12	8.2	8.1	8.2	PM AM
	8-13	8.2	8.1	8.2	PM AM
	8-14	8.3	8.1	8.2	PM AM
	8-15	8.2	8.1	8.2	PM AM
	8-16	8.2	8.1	8.1*	PM AM
	PERIOD	8.4	6.1		PM

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLO
A - SUCCESSIVE RECORDED PUNCH RE
R - ONE OR MORE INPUT VALUE IS O
* - DAILY SUMMARY IS FOR AN INCO
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE

09306058 DATA PROCESSED
WILLOW CREEK NEAR RIO BLANCO, CO.
PH (UNITS) P

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979 V

S	DATE	MAX	MIN	MEAN		1	2	3	4
	8-16	8.2	8.1	8.1	AM				m-8.3
					PM				
A	8-17	8.2	8.0	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.2	8.2	8.2	8.2
	8-18	8.2	8.1	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.1	8.2	8.2	8.1
	8-19	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.2	8.2	8.1	8.1
	8-20	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.2	8.1	8.1
	8-21	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.1	8.1	8.1
	8-22	8.2	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.1	8.1	8.1
	8-23	8.2	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.1	8.1	8.1
	8-24	8.2	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.1	8.1	8.1
	8-25	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.1	8.1	8.1
	8-26	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.1	8.1	8.1
	8-27	8.2	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.1	8.1	8.1
	8-28	8.2	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.1	8.1	8.1
	8-29	8.1	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.1	8.1	8.1
	8-30	8.2	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.1	8.2	8.1
	8-31	8.1	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.1	8.1	8.1
	9-01	8.2	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.1	8.1	8.1
	9-02	8.2	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.1	8.1	8.1
	9-03	8.2	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.1	8.1	8.1
	9-04	8.2	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.2	8.1	8.1	8.1
	9-05	8.2	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.1	8.1	8.1
	9-06	8.1	8.0	8.1	AM	8.1	8.1	8.1	8.1
						8.1	8.1 - 8.3	8.1	8.1

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	9-07	8.1	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.0	8.1	8.0
	9-08	8.1	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.0	8.1	8.0
	9-09	8.1	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.1	8.1	8.1
	9-10	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.2	8.2	8.1	8.1
	9-11	8.2	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.1	8.1	8.2
	9-12	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.2
					PM	8.2	8.2	8.2	8.2
	9-13	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.2	8.2	8.2	8.2
	9-14	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.2	8.2	8.2	8.2
	9-15	8.2	8.1	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.2	8.2	8.2	8.2
	9-16	8.2	8.1	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.2	8.2	8.2	8.2
	9-17	8.2	8.1	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.2	8.2	8.2	8.2
A	9-18	8.2	8.2	8.2 *	AM	8.2	8.2	8.2	8.2
					PM	8.2	8.2-		
PERIOD			8.0						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
PH (UNITS)

PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

VA

S	DATE	MAX	MIN	MEAN		1	2	3	4
	9-13	8.2	8.0	8.1*	AM				
					PM		FM 8.2	8.2	8.2
	9-19	8.2	8.1	8.2*	AM	8.1	8.1	8.2	8.1
					PM	8.2	8.2	8.2	8.1
	PERIOD	8.2	8.0						

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
PH (UNITS)

PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

VA

S	DATE	MAX	MIN	MEAN		1	2	3	4
		CLOCKED	STOPPED 9/20						
	9-21	8.3	8.2	8.2*	AM				
					PM	8.3	8.3	8.3	8.2
	9-22	8.3	8.1	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.2	8.2	8.2
	9-23	8.3	8.2	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.2	8.2	8.2	8.2
	9-24	8.3	8.2	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.2	8.2	8.2
	9-25	8.3	8.2	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.3	8.3
	9-26	8.3	8.2	8.2*	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.3	8.3
	PERIOD	8.3	8.1						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SPI
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIO
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE		MAX		MIN		MEAN			1	2	3	4
	10-15		~~8.5~~		~~8.4~~		~~8.5~~*	AM					
								PM				8.5	8.5
	10-16		~~8.6~~		~~8.4~~		~~8.5~~	AM		8.4	8.4	8.4	8.5
								PM		8.6	8.6	8.5	8.5
	10-17		~~8.7~~		~~8.4~~		~~8.6~~	AM		8.5	8.6	8.6	8.6
							8.1	PM		8.6	8.6	8.6	8.6
-.3	10-18	8.2	~~8.5~~		~~8.3~~	8.0	~~8.4~~	AM		8.4	8.4	8.4	8.4
↓							8.0	PM		8.5	8.5	8.4	8.4
	10-19	8.1	~~8.4~~		~~8.2~~	7.9	~~8.3~~	AM		8.3	8.3	8.3	8.3
							8.0	PM		8.4	8.4	8.4	8.3
	10-20	8.1	~~8.4~~		~~8.3~~	8.0	~~8.3~~	AM		8.3	8.3	8.3	8.3
								PM		8.4	8.4	8.4	8.4
							8.0						
	10-21	8.1	~~8.4~~		~~8.3~~	8.0	~~8.3~~	AM		8.3	8.3	8.3	8.3
								PM		8.4	8.4	8.4	8.4
	10-22	8.1	~~8.4~~		~~8.3~~	8.0	~~8.3~~	8.0 AM		8.3	8.3	8.4	8.3
								PM		8.3	8.3	8.3	8.3
	10-23	8.1	~~8.4~~		~~8.2~~	7.9	~~8.3~~	8.0 AM		8.3	8.3	8.3	8.3
↑								8.0 PM		8.3	8.3	8.3	8.2
-.3	10-24	8.2	~~8.5~~		~~8.3~~	8.0	~~8.3~~*	AM		8.3	FM 8.3	8.3	8.3
								PM		8.5-8.2			
	PERIOD		8.7		8.2								

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

Coding Form for Input and Update of Daily Values--Continued

Par Code 00400 pH

Station identification number 09306058 Willow Cr.

Water year 1980

Stat Code 00001 MX

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3							3							3
	4							4							4
	5							5							5
	6							6							6
	7							7							7
	8							8							8
Card No. 02	9							9							9
	10		8.6					10							10
	11		8.5					11							11
	12		8.4					12							12
	13		8.3					13							13
	14							14							14
	15	999999						15							15
	16	999999						16							16
Card No. 03	17	999999						17							17
	18	8.2						18							18
	19	8.1						19							19
	20	8.1						20							20
	21	8.1						21							21
	22	8.1						22							22
	23	8.1						23							23
	24	8.3						24							24
Card No. 04	25	8.4						25							25
	26	8.4						26							26
	27	8.4						27							27
	28	8.4						28							28
	29	8.4						29							29
	30	8.4				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1)

Water year (17–20)

Total value (sum of daily value entries) (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

Coding Form for Input and Update of Daily Values--Continued

Par Code 00400 pH

Station identification number 09306058 Willow Cr. Water year 1980 Stat Code 00002 MN

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3							3							3
	4							4							4
	5							5							5
	6							6							6
	7							7							7
	8							8							8
Card No. 02	9							9							9
	10		8.3					10							10
	11		8.1					11							11
	12		8.1					12							12
	13		8.2					13							13
	14							14							14
	15	999999						15							15
	16	999999						16							16
Card No. 03	17	999999						17							17
	18	8.0						18							18
	19	7.9						19							19
	20	8.0						20							20
	21	8.0						21							21
	22	8.0						22							22
	23	7.9						23							23
	24	8.2						24							24
Card No. 04	25	8.2						25							25
	26	8.2						26							26
	27	8.2						27							27
	28	8.2						28							28
	29	8.2						29							29
	30	8.2				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type T (1) Water year (17–20)

Total value (sum of daily value entries) (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

II A-224

Par Code 00400 pH

Coding Form for Input and Update of Daily Values--Continued

Stat Code 00003 MEAN

Station identification number 09306058 Willow Cr. Water year 1980

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3							3							3
	4							4							4
	5							5							5
	6							6							6
	7							7							7
	8							8							8
Card No. 02	9							9							9
	10		8.4					10							10
	11		8.2					11							11
	12		8.2					12							12
	13		8.3					13							13
	14							14							14
	15	999999						15							15
	16	999999						16							16
Card No. 03	17	[illegible]						17							17
	18	8.1						18							18
	19	8.0						19							19
	20	8.0						20							20
	21	8.0						21							21
	22	8.0						22							22
	23	8.0						23							23
	24	8.2						24							24
Card No. 04	25	8.3						25							25
	26	8.3						26							26
	27	8.3						27							27
	28	8.3						28							28
	29	8.4						29							29
	30	8.3				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1) Water year [ ] (17–20) Total value (sum of daily value entries) [ ] (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

II A-225

COND MAX (µmhos)

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306058 Willow Cr.

Water year 1977

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	1260	1240	1280				1	1330						1
	2		1250	999999				2							2
	3		1270					3							3
	4	1348	1250					4							4
	5	1346	1240					5							5
	6	1356	1250					6							6
	7	1358	1270					7							7
	8	1362	1260					8							8
Card No. 02	9	1362	1270					9							9
	10	1360	1240					10							10
	11	1350	1270					11							11
	12	1350	999999					12							12
	13	1360	1230					13							13
	14	1358	1270					14							14
	15	1360	1280				PROBE	15							15
	16	1354	1270				MALFUNCT	16							16
Card No. 03	17	1356	1310	FROZEN			1340	17							17
	18	1358	1400	LINES			1380	18							18
	19	1350	1390				1390	19							19
	20	1376	1400				1340	20							20
	21	1374	1410				1380	21							21
	22	1354	1360				1340	22							22
	23	1354	1360				1370	23							23
	24		1390				1360	24							24
Card No. 04	25		1290				1340	25							25
	26	1280	1290				1330	26							26
	27	1250	1360				1320	27							27
	28	1250	1430				1300	28							28
	29	1270	1310				1340	29							29
	30	1270	1280			-------	1350	30							30
	31	1240	-------			-------	1320	31	-------		-------			-------	31

TOTAL CHECK CARD

Type: T (1)

Water year: 1977 (17–20)

Total value (sum of daily value entries): (21–32)

Par Code 00095

Stat Code 00001

PRELIMINARY DATA SUBJECT TO REVISION

Remarks

COND MIN (umhos)

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306053 Willow Cr. Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1		1210	1070				1	1250						1
	2		1200	999999				2							2
	3		1200					3							3
	4	1284	1210					4							4
	5	1284	1200					5							5
	6	1288	1200					6							6
	7	1276	1180					7							7
	8	1288	1210					8							8
Card No. 02	9	1288	1210					9							9
	10	1294	1180					10							10
	11	1302	1170					11							11
	12	1298	999999					12							12
	13	1310	1190					13							13
	14	1310	1220					14							14
	15	1312	1180					15							15
	16	1306	1130					16							16
Card No. 03	17	1306	1200				1240	17							17
	18	1312	1260				1250	18							18
	19	1320	1250	LINES			1260	19							19
	20	1336	1240	FROZEN			1280	20							20
	21	1314	1300				1270	21							21
	22	1312	1250				1280	22							22
	23	1318	1210				1240	23							23
	24		1240				1240	24							24
Card No. 04	25		1210				1260	25							25
	26	1200	1200				1260	26							26
	27	1210	1220				1250	27							27
	28	1210	1180				1200	28							28
	29	1220	1200				1230	29							29
	30	1210	1230			-------	1260	30							30
	31	1210	-------			-------	1280	31	-------		-------			-------	31

TOTAL CHECK CARD

Type: T (1)

Water year: 1979 (17–20)

Total value (sum of daily value entries) (21–32)

Par Code 00095

Stat Code 00002

PRELIMINARY DATA SUBJECT TO REVISION

Remarks

Coding Form for Input and Update of Daily Values--Continued

COND MEAN (µmhos)

Station identification number 09306055 Willow Cr. Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1		1220	1200				1	1290						1
	2		1220	999999				2							2
	3		1230					3							3
	4	1322	1230					4							4
	5	1326	1230					5							5
	6	1329	1230					6							6
	7	1329	1230					7							7
	8	1330	1230					8							8
Card No. 02	9	1332	1230	LINES				9							9
	10	1333	1220	FROZEN				10							10
	11	1330	1210					11							11
	12	1328	999999					12							12
	13	1334	1210					13							13
	14	1335	1230					14							14
	15	1337	1200					15							15
	16	1329	1230					16							16
Card No. 03	17	1336	1270				1280	17							17
	18	1338	1250				1320	18							18
	19	1336	1330				1330	19							19
	20	1356	1330				1320	20							20
	21	1350	1370				1320	21							21
	22	1336	1240				1310	22							22
	23	1338	1300				1330	23							23
	24		1310				1320	24							24
Card No. 04	25		1260				1300	25							25
	26	1230	1260				1220	26							26
	27	1230	1300				1290	27							27
	28	1230	1330				1260	28							28
	29	1240	1270				1290	29							29
	30	1230	1230			-------	1310	30							30
	31	1230	-------			-------	1300	31	-------		-------			-------	31

TOTAL CHECK CARD

Type: T (1) Water year: 1979 (17–20)

Total value (sum of daily value entries) (21–32)

Par Code 00095

Stat Code 00003

PRELIMINARY DATA SUBJECT TO REVISION

Remarks

II A-228

UNITED STATES DEPARTME
PRIMARY C

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM A

PROVISIONAL DATA FOR WATER YEAR END

S	DATE	MAX	MIN	MEAN		
A	4-02	1380	1290	1340*	AM	
					PM	12
A	4-03	1410	32	1300	AM	13
					PM	
A	4-04	1400	1310	1360	AM	13
					PM	13
A	4-05	1390	1230	1320	AM	13
					PM	12
A	4-06	1350	1200	1290	AM	13
					PM	12
A	4-07	1350	1230	1300	AM	13
					PM	13
A	4-08	1340	1230	1290	AM	13
					PM	12
A	4-09	1350	1260	1300	AM	13
					PM	12
A	4-10	1320	1170	1260	AM	1
					PM	1
A	4-11	1260	838	1180	AM	1
					PM	1
A	4-12	1350	1240 ~~920~~	1300 ~~1110~~	AM	
					PM	
A	4-13	1380	1260	1320	AM	1
					PM	1
A	4-14	~~1330~~	~~444~~	~~622~~	AM	1
		DELETE — FILTER BLOCKED			PM	
A	4-15	~~624~~	~~428~~	~~489~~	AM	
					PM	
A	4-16	1310 ~~2440~~	1320 428	Delete ~~1730~~	AM	
					PM	~~94~~
A	4-17	1320	1270 ~~34~~	~~458~~	AM	1
					PM	
A	4-18	1400	~~34~~	483	AM	
					PM	
A	4-19	1400	1320	1360	AM	1
					PM	1
A	4-20	1410	1300	1350	AM	1
					PM	
A	4-21	1480	1330	1390	AM	
					PM	
A	4-22	1480	1340	1440	AM	
					PM	
A	4-23	1360	~~34~~	565	AM	
					PM	
	4-24	~~1370~~	~~34~~	~~704~~	AM	
		1350	1100	1320		

UNITED STATES DEPARTM
PRIMARY

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM

PROVISIONAL DATA FOR WATER YEAR END

S	DATE	MAX	MIN	MEAN		
					PM	12
A	4-25	1450	1240	1340	AM	13
					PM	12
A	4-26	1520	1140	1350	AM	14
					PM	11
A	4-27	1500	~~34~~ 1290	~~475~~	AM	15
					PM	.
A	4-28	1430	~~34~~ 1300	~~460~~	AM	13
					PM	
A	4-29	1410	1170	1320	AM	13
					PM	12
A	4-30	1430	1140	1340	AM	14
					PM	12
A	5-01	1420	1240	1360*	AM	14
					PM	
PERIOD		94400	32			

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWI
A - SUCCESSIVE RECORDED PUNCH READ
R - ONE OR MORE INPUT VALUE IS OUT
* - DAILY SUMMARY IS FOR AN INCOMP
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4	VA
A	7-03	1470	1260	1330	AM					
					PM		1270	1260	1280	1
A	7-04	1520	1270	1400	AM	1510	1420	1500	1520	1
					PM	1320	1300	1290	1280	1
A	7-05	1530	1300	1430	AM	1490	1500	1500	1500	1
					PM	1330	1310	1300	1300	1
A	7-06	1560	1430	1520	AM	1530	1530	1530	1530	1
					PM	1530	1430	1520	1530	1
A	7-07	1570	1420	1510	AM	1560	1570	1560	1560	1
					PM	1440	1430	1420	1420	1
A	7-08	1540	1330	1490	AM	1540	1540	1540	1540	1
					PM	1420	1410	1330	1410	1
A	7-09	1540	1350	1460	AM	1530	1530	1530	1530	1
					PM	1420	1410	1350	1350	1
A	7-10	1460	1300	1400	AM	1410	1410	1420	1430	1
					PM	1350	1300	1340	1340	1
A	7-11	1460	[illegible]	1420	AM	1460	1440	1440	1460	1
					PM	1370	1340	1340	1350	1
A	7-12	1630	1400	1480	AM	1430	1450	1450	1450	1
					PM	1520	1460	1410	1400	1
A	7-13	1420	1330	1390	AM	1420	1410	1410	1400	1
					PM	1340	1330	1360	1370	1
A	7-14	1410	1310	1370	AM	1410	1400	1400	1390	1
					PM	1330	1320	1310	1310	1
A	7-15	1390	1260	1340	AM	1390	1390	1380	1370	1
					PM	1260	1290	1320	1290	1
A	7-16	1360	1180	1300	AM	1320	1350	1340	1340	1
					PM	1230	1220	1180	1250	1
A	7-17	1360	1230	1330*	AM	1360	1350	1350	1360	1
					PM	1230				
PERIOD		1630	1180							

ERRATIC READINGS
PROBE MAL

meas 1290

fm 1350

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SP
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIO
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATE

09306058
WILLOW CREEK NEAR RIO BLAN
SPECIFIC CONDUCTANCE (MICR

PROVISIONAL DATA FOR WATER

S	DATE	MAX	MIN	MEAN	
A	7-17	1500	1340	1370	M
A	7-18	1530	1370	1470	M
A	7-19	1480	1380	1440	
A	7-20	1510	1430	1470	M
A	7-21	1520	1370	1460	M
A	7-22	1500	1430	1470	M
A	7-23	1480	1320	1410	
A	7-24	1380	1260	1320	M
A	7-25	1370	1240	1310	M
A	7-26	1370	1210	1280	M
A	7-27	1370	48	906	
A	7-28	1360	16	1230	M
A	7-29	1340	1260	1320	M
A	7-30	1350	16	914	
A	7-31	1550	54	1060	M
A	8-01	1380	38	814	M
A	8-02	1340	196	1150	M
A	8-03	1380	362	1160	
A	8-04	1370	1270	1340	M
A	8-05	1420	1360	1380	M
	8-06	1410	1360	1380	M
A	8-07	1370	~~1260~~ 1340	1350	
A	8-08	1400	1340	1370	M

PROBE BAD

UNITED STATES DEP
PRIM

09306058
WILLOW CREEK NEAR RIO BLANCO, C
SPECIFIC CONDUCTANCE (MICROMI

PROVISIONAL DATA FOR WATER YEAR

S	DATE	MAX	MIN	MEAN	
					PM
A	8-09	1410	1380	1390	AM
					PM
	8-10	1390	1360	1380	AM
					PM
	8-11	1380	1360	1370	AM
					PM
	8-12	1400	1370	1380	AM
					PM
	8-13	1390	1360	1380	AM
					PM
A	8-14	1400	1370	1390	AM
					PM
	8-15	1390	1370	1380	AM
					PM
	8-16	1390	1360	1380*	AM
					PM
PERIOD		1550	16		

NOTE.- SYMBOLS USED ABOVE HAVE THE FOL
A - SUCCESSIVE RECORDED PUNCH
R - ONE OR MORE INPUT VALUE IS
* - DAILY SUMMARY IS FOR AN IN
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

VA

S	DATE	MAX	MIN	MEAN		1	2	3	4	
	8-16	1380	1370	1380	AM					fm 14
					PM					1
	8-17	1390	1360	1380	AM	1370	1370	1370	1370	1
					PM	1380	1370	1370	1380	1
A	8-18	1410	1360	1380	AM	1380	1380	1380	1370	1
					PM	1390	1390	1390	1390	1
A	8-19	1420	1340	1380	AM	1380	1390	1390	1390	1
					PM	1380	1370	1370	1340	1
A	8-20	1390	1330	1370	AM	1390	1390	1390	1380	1
					PM	1330	1360	1370	1360	1
	8-21	1390	1370	1380	AM	1380	1380	1380	1380	1
					PM	1390	1390	1390	1390	1
	8-22	1390	1370	1380	AM	1380	1380	1370	1380	1
					PM	1380	1380	1380	1380	1
	8-23	1390	1370	1380	AM	1380	1380	1380	1380	1
					PM	1380	1370	1370	1380	1
	8-24	1380	1370	1380	AM	1380	1380	1380	1380	1
					PM	1370	1380	1380	1380	1
	8-25	1380	1370	1370	AM	1370	1370	1370	1370	1
					PM	1380	1380	1370	1370	1
	8-26	1370	1360	1370	AM	1370	1370	1370	1370	1
					PM	1360	1370	1370	1370	1
	8-27	1380	1360	1370	AM	1360	1370	1360	1360	1
					PM	1370	1380	1370	1370	1
	8-28	1380	1350	1370	AM	1380	1380	1380	1380	1
					PM	1370	1380	1380	1380	1
	8-29	1360	1350	1360	AM	1360	1360	1350	1350	1
					PM	1360	1360	1360	1350	1
A	8-30	1390	1350	1360	AM	1360	1360	1350	1350	1
					PM	1370	1370	1370	1370	1
	8-31	1370	1350	1360	AM	1360	1360	1360	1360	1
					PM	1360	1360	1360	1360	1
	9-01	1360	1340	1350	AM	1360	1350	1360	1350	
					PM	1350	1350	1350	1350	
A	9-02	1380	1340	1350	AM	1340	1350	1340	1340	
					PM	1350	1340	1340	1340	
	9-03	1350	1330	1340	AM	1330	1340	1340	1340	
					PM	1340	1340	1340	1350	
A	9-04	1380	1340	1360	AM	1340	1340	1340	1340	
					PM	1370	1380	1380	1380	
	9-05	1380	1370	1370	AM	1380	1380	1380	1380	
					PM	1370	1370	1370	1370	
	9-06	1370	1360	1370	AM	1370	fm 410 1370	1370	1370	
					PM	1370	1370	1360	1360	

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
09306058 DATA PROCESSED
WILLOW CREEK NEAR RIO BLANCO. CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4	VA
	9-07	1370	1350	1360	AM	1370	1360	1360	1370	1
					PM	1360	1360	1360	1360	1
	9-08	1360	1340	1350	AM	1350	1350	1360	1350	1
					PM	1350	1350	1350	1350	1
	9-09	1360	1340	1350	AM	1350	1340	1340	1340	1
					PM	1340	1340	1340	1340	1
A	9-10	1370	1320	1350	AM	1360	1360	1360	1360	1
					PM	1370	1360	1320	1320	1
	9-11	1320	1310	1320	AM	1320	1320	1310	1310	1
					PM	1310	1320	1320	1310	1
	9-12	1330	1310	1320	AM	1320	1320	1320	1320	1
					PM	1320	1320	1320	1320	1
	9-13	1340	1310	1330	AM	1330	1330	1330	1320	1
					PM	1320	1320	1330	1330	1
	9-14	1350	1330	1340	AM	1340	1330	1330	1330	1
					PM	1330	1340	1330	1340	1
	9-15	1350	1330	1340	AM	1340	1340	1340	1340	1
					PM	1330	1340	1340	1340	1
	9-16	1350	1330	1340	AM	1340	1340	1340	1340	1
					PM	1340	1340	1340	1340	1
A	9-17	1410	1340	1370	AM	1350	1350	1340	1340	1
					PM	1340	1340	1350	1410	1
A	9-18	1410	~~1200~~ 1400	~~1293~~* 1400	AM	1410	1410	1410	1410	1
					PM	1410	1410 fm 1450			
	PERIOD	1420	1200							

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SP
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIO
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4	VA
	9-18	1420	1410	1410*	AM					
					PM		EM 1450	1410	1410	1
	9-19	1420	1400	1410*	AM	1420	1410	1410	1410	1
					PM	1400	1410	1410	1420	
	PERIOD	1420	1400							

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4	VA
A	9-21	1440	1410	1410*	AM					
					PM	1410	1410	1410	1410	1
	9-22	1420	1400	1410	AM	1410	1410	1410	1410	1
					PM	1410	1400	1410	1410	1
A	9-23	1420 ~~1430~~	1370	1400	AM	1410	1420	1410	1410	1
					PM	1390	1400	1390	1390	1
	9-24	1390	1370	1380	AM	1390	1390	1390	1390	1
					PM	1380	1370	1370	1370	1
	9-25	1380	1360	1370	AM	1380	1380	1380	1380	1
					PM	1360	1370	1370	1370	1
	9-26	1380	1350	1370*	AM	1380	1370	1370	1370	1
					PM	1360	1370	1360	1360	
	PERIOD	1480	1350							

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SF
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIC
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4
	10-15	1280	1260	1270*	AM				
					PM			1260	1260
	10-16	1300	1260	1280	AM	1290	1280	1290	1290
					PM	1280	1270	1260	1260
A	10-17	1300	1260	1280	AM	1280	1290	1290	1290
					PM	1290	1270	1260	1260
	10-18	1290	1260	1270	AM	1270	1270	1280	1290
					PM	1280	1280	1260	1260
	10-19	1290	1260	1270	AM	1280	1270	1280	1280
					PM	1280	1270	1260	1270
	10-20	1290	1210	1260	AM	1280	1280	1280	1280
					PM	1260	1250	1240	1240
	10-21	1290	1270	1280	AM	1270	1270	1270	1280
					PM	1290	1290	1290	1280
A	10-22	1320	1260	1290	AM	1300	1300	1310	1310
					PM	1290	1280	1280	1270
	10-23	1310	1270	1290	AM	1310	1310	1300	1300
					PM	1290	1280	1280	1270
	10-24	1300	1290	1300*	AM	1290	1290	1290	1300
					PM	1290			
	PERIOD	1320	1210						

FM 1340

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

Coding Form for Input and Update of Daily Values--Continued

Par Code 00095 SP. COND

Stat Code 00001 MAX

Station identification number 09306058 Willow Cr.

Water year 1980

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3							3							3
	4							4							4
	5							5							5
	6							6							6
	7							7							7
	8							8							8
Card No. 02	9							9							9
	10		1250					10							10
	11		1250					11							11
	12		1250					12							12
	13		1250					13							13
	14							14							14
	15							15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24	1290						24							24
Card No. 04	25	1300						25							25
	26	1300						26							26
	27	1300						27							27
	28	1280						28							28
	29	1270						29							29
	30	1290				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1) Water year [ ] (17–20) Total value (sum of daily value entries) [ ] (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

II A-237

Coding Form for Input and Update of Daily Values--Continued

Par Code 00095 SP. COND

Station identification number 09306058 Willow Cr.

Water year 1980

Stat Code 00002 MN

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3							3							3
	4							4							4
	5							5							5
	6							6							6
	7							7							7
	8							8							8
Card No. 02	9							9							9
	10		1210					10							10
	11		1210					11							11
	12		1210					12							12
	13		1240					13							13
	14							14							14
	15							15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24	1270						24							24
Card No. 04	25	1260						25							25
	26	1270						26							26
	27	1260						27							27
	28	1260						28							28
	29	1200						29							29
	30	1240				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type: T (1)

Water year (17–20)

Total value (sum of daily value entries) (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

II A-238

Coding Form for Input and Update of Daily Values--Continued

Par Code 00095 SP. COND

Station identification number 09306053 Willow Cr.

Water year 1980

Stat Code 00003 MEAN

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3							3							3
	4							4							4
	5							5							5
	6							6							6
	7							7							7
	8							8							8
Card No. 02	9							9							9
	10		1220					10							10
	11		1220					11							11
	12		1230					12							12
	13		1240					13							13
	14							14							14
	15							15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24	1270						24							24
Card No. 04	25	1280						25							25
	26	1280						26							26
	27	1280						27							27
	28	1270						28							28
	29	1230						29							29
	30	1270				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type: T (1)

Water year: 17 – 20

Total value (sum of daily value entries): 21 – 32

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

TEMP MAX

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306058 Willow Cr. Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	NO DATA	9.5	3.5				1	13.0						1
	2		12.0	NO DATA				2							2
	3		11.0					3							3
	4	14.0	9.5					4							4
	5	14.1	9.6					5							5
	6	12.7	7.5					6							6
	7	14.3	8.0					7							7
	8	14.5	9.0					8							8
Card No. 02	9	14.7	9.5					9							9
	10	14.7	5.0					10							10
	11	11.8	1.5					11							11
	12	12.5	999999					12							12
	13	13.0	3.0					13							13
	14	11.6	3.5					14							14
	15	10.2	3.0				20.0	15							15
	16	12.3	4.5				23.0	16							16
Card No. 03	17	13.4	3.5				14.0	17							17
	18	8.8	3.0				12.0	18							18
	19	9.6	8.5				15.0	19							19
	20	8.1	4.5				13.0	20							20
	21	10.3					10.0	21							21
	22	8.9	5.5				8.0	22							22
	23	6.6	4.0				13.0	23							23
	24	NO DATA	2.5				14.0	24							24
Card No. 04	25		4.5				22.0	25							25
	26	8.5	4.0				17.0	26							26
	27	9.5	4.5				8.6	27							27
	28	10.0	1.0				15.0	28							28
	29	10.0	2.5				9.0	29							29
	30	7.5	4.5			-------	17.0	30							30
	31	9.5	-------			-------	8.3	31	-------		-------			-------	31

POWER FAILURE

EXHAUST LINE FROZEN

POWER FAILURE

TOTAL CHECK CARD

Type T (1) Water year 1979 (17–20)

Total value (sum of daily value entries) (21–32)

Par Code

Stat Code

PRELIMINARY DATA SUBJECT TO REVISION

Remarks

II A-240

Coding Form for Input and Update of Daily Values--Continued

TEMP MIN (°C)

Station identification number 09306058 Willow Cr.

Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	[illegible]	1.5	0	↑	↑	↑	1	4.0						1
	2	[illegible]	2.5	↑				2							2
	3	[illegible]	3.5	FROZEN				3							3
	4	1.5	1.0	LINES				4							4
	5	2.7	2.5					5							5
	6	2.8	0					6							6
	7	3.1	0					7							7
	8	2.9	0.5					8							8
Card No. 02	9	3.4	1.0					9							9
	10	3.5	0					10							10
	11	1.7	0					11							11
	12	1.0	99.999					12							12
	13	1.4	1.5					13							13
	14	1.8	0.5					14							14
	15	3.1	1.0				5.7	15							15
	16	6.9	0.5				1.0	16							16
Card No. 03	17	2.4	0.0				1.0	17							17
	18	3.5	0.0		↓		5.0	18							18
	19	7.1	1.5		↑		5.6	19							19
	20	5.9	0.5				6.7	20							20
	21	1.0	0				3.3	21							21
	22	1.6	0.5				1.0	22							22
	23	4.5	0.0				0.1	23							23
	24	↑	0				0	24							24
Card No. 04	25	↓	0				7.6	25							25
	26	3.3	0				6.3	26							26
	27	0	0				3.0	27							27
	28	2.5	0				4.0	28							28
	29	1.0	0			↓	5.0	29							29
	30	2.0	1.5			-------	4.7	30							30
	31	1.0	-------	↓	↓	-------	2.0	31	-------		-------			-------	31

TOTAL CHECK CARD

Type	Water year	Total value (sum of daily value entries)
T	1979	
1	17 20	21 32

Par Code 00010

Stat Code 00002

PRELIMINARY DATA SUBJECT TO REVISION

Remarks

TEMP MEAN (°C)

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306058 Willow Cr. Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	Good No	5.0	2.0				1	8.1						1
	2		6.5					2							2
	3		6.5					3							3
	4	6.5	5.0					4							4
	5	7.0	5.5					5							5
	6	7.0	3.0					6							6
	7	8.0	3.5					7							7
	8	8.0	4.0					8							8
Card No. 02	9	8.0	5.0					9							9
	10	8.0	3.0					10							10
	11	6.5	0.5	LINES				11							11
	12	6.0	999999	FROZEN				12							12
	13	6.0	2.0					13							13
	14	6.0	2.0					14							14
	15	6.5	2.0				11.2	15							15
	16	8.5	2.0				8.0	16							16
Card No. 03	17	7.0	1.0				6.6	17							17
	18	6.5	1.0				7.8	18							18
	19	8.0	4.0				9.0	19							19
	20	7.0	2.5				8.9	20							20
	21	4.5	0.5				7.3	21							21
	22	5.0	2.5				3.7	22							22
	23	6.0	1.0				5.2	23							23
	24		0.5				6.9	24							24
Card No. 04	25		0.5				99999	25							25
	26	6.0	2.0				99999	26							26
	27	4.0	1.5				5.8	27							27
	28	4.5	0				8.3	28							28
	29	5.0	1.5				6.9	29							29
	30	4.5	2.5			-------	9.0	30							30
	31	4.5	-------			-------	5.1	31	-------		-------			-------	31

TOTAL CHECK CARD

Type: T (1) Water year: 1979 (17–20) Total value (sum of daily value entries): (21–32)

Par Code

Stat Code 00003

PRELIMINARY DATA SUBJECT TO REVISION

Remarks

GPO : 1971 O- 477

UNITED STATES DEPART
PRIMARY

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR EN

S	DATE	MAX	MIN	MEAN		
A	4-02	11.7	.6	5.8*	AM PM	1
A	4-03	12.6	~~.1~~	5.1	AM PM	1
A	4-04	11.4	~~.1~~	5.6	AM PM	1
AR	4-05	17.0		8.6	AM PM	1
A	4-06	17.6	1.8	8.9	AM PM	1
A	4-07	15.1	4.1	9.4	AM PM	1
A	4-08	18.5	4.6	10.7	AM PM	1
A	4-09	12.2	5.6	8.6	AM PM	1
	4-10	6.7	1.3	4.6	AM PM	
A	4-11	6.6	.2	3.5	AM PM	
A	4-12	12.0	.3	4.4	AM PM	
A	4-13	13.3		6.5	AM PM	
A	4-14	16.3	5.1	10.1	AM PM	
A	4-15	18.3	5.1	11.7	AM PM	
A	4-16	17.3	5.2	9.8	AM PM	
A	4-17	21.1	4.8	15.4	AM PM	
A	4-18	20.8	4.7	13.9	AM PM	
A	4-19	19.4	2.6	8.9	AM PM	
AR	4-20	20.4			AM PM	
AR	4-21	18.8	1.3	8.4	AM PM	
AR	4-22	15.5	3.5	8.5	AM PM	
AR	4-23	21.1	3.6	15.3	AM PM	
AR	4-24	19.8			AM PM	

UNITED STATES DEPA
PRIMA

09306058
WILLOW CREEK NEAR RIO BLANCO, CO
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR

S	DATE	MAX	MIN	MEAN	
AR	4-25	20.6	0.1	10.2	AM PM
A	4-26	23.6	.1	8.4	AM PM
A	4-27	20.0	.3	13.7	AM PM
AR	4-28	18.8			AM PM
AR	4-29	24.5	2.4	10.2	AM PM
A	4-30	21.8	.6	10.6	AM PM
A	5-01	15.3	5.8	8.7*	AM PM
PERIOD		24.5			

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLL
A - SUCCESSIVE RECORDED PUN .1 F
R - ONE OR MORE INPUT VALUE IS
* - DAILY SUMMARY IS FOR AN INC
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306053
WILLOW CREEK NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	7-03	19.4	10.8	13.3	AM	19°			
					PM		19.4	18.3	16.8
A	7-04	19.4	7.6	12.9	AM	10.0	9.5	9.0	8.5
					PM	15.5	18.8	18.3	19.4
A	7-05	23.1	6.8	13.2	AM	8.6	8.2	7.7	7.4
					PM	20.0	22.3	23.1	23.1
A	7-06	15.4	8.7	11.0	AM	9.1	8.8	8.7	8.8
					PM	15.4	14.8	12.3	13.0
A	7-07	19.3	8.5	12.5	AM	9.3	9.0	8.9	8.7
					PM	18.3	19.1	19.3	18.5
A	7-08	17.6	9.1	12.3	AM	9.6	9.4	9.3	9.1
					PM	16.3	16.8	17.6	17.1
A	7-09	18.3	8.9	12.2	AM	9.5	9.4	9.2	9.0
					PM	17.6	18.3	16.6	15.8
A	7-10	18.1	9.6	12.8	AM	10.0	9.9	9.7	9.7
					PM	18.1	18.1	18.0	17.6
A	7-11	18.5	9.4	12.7	AM	10.0	9.8	9.6	9.6
					PM	17.8	18.1	18.5	18.0
A	7-12	18.8	9.5	12.9	AM	10.2	10.0	9.8	9.7
					PM	18.1	18.8	18.8	17.3
A	7-13	18.1	10.4	13.4	AM	10.9	10.7	10.6	10.0
					PM	17.8	18.1	17.8	17.3
A	7-14	19.3	11.0	13.8	AM	12.0	11.8	11.7	11.6
					PM	18.8	19.1	19.3	18.1
A	7-15	20.1	10.0	13.2	AM	10.7	10.3	10.1	10.0
					PM	20.1	16.8	14.2	16.1
A	7-16	23.0	9.4	13.6	AM	10.8	10.5	10.1	9.8
					PM	21.4	23.0	21.0	17.1
A	7-17	20.6	9.3	12.1*	AM	10.4	10.1	10.1	9.9
					PM	20.6	21.5°		
PERIOD		23.1	5.8						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERS
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATE

09306058
WILLOW CREEK NEAR RIO BLAN
TEMPERATURE (DEG. C) OF WA

PROVISIONAL DATA FOR WATER

	DATE	MAX	MIN	MEAN
	7-17	22.0	11.0	13.7
	7-18	22.8	9.3	13.5
	7-19	19.3	8.2	12.6
	7-20	17.0	8.4	11.6
	7-21	18.5	9.0	12.7
A	7-22	17.1	9.5	12.4
A	7-23	18.0	9.6	13.3
	7-24	17.5	11.3	14.1
A	7-25	18.3	10.3	13.7
A	7-26	16.3	9.9	12.5
A	7-27	17.3	10.0	13.1
A	7-28	18.3	10.2	13.6
A	7-29	17.8	9.8	13.1
A	7-30	17.6	8.7	12.6
A	7-31	17.8	8.3	12.6
A	8-01	18.0	8.7	13.0
A	8-02	18.0	8.9	13.2
A	8-03	19.3	9.0	13.0
A	8-04	18.8	9.4	13.8
A	8-05	19.5	11.3	14.5
	8-06	18.6	12.0	14.4
A	8-07	19.1	12.0	15.0
A	8-08	18.8	13.0	14.6

UNITED STATES DEP
PRIM

09306058
WILLOW CREEK NEAR RIO BLANCO, C
TEMPERATURE (DEG. C) OF WAT

PROVISIONAL DATA FOR WATER YEAR

S	DATE	MAX	MIN	MEAN	
A	8-09	18.5	11.7	14.2	AM PM
A	8-10	19.3	11.2	14.3	AM PM
A	8-11	19.1	10.3	13.9	AM PM
A	8-12	17.3	11.3	14.0	AM PM
A	8-13	17.1	12.2	13.9	AM PM
	8-14	13.2	11.1	12.0	AM PM
	8-15	14.2	10.3	12.0	AM PM
A	8-16	14.4	11.5	12.4*	AM PM
	PERIOD	22.8	8.2		

NOTE.- SYMBOLS USED ABOVE HAVE THE FO
A - SUCCESSIVE RECORDED PUNCH
R - ONE OR MORE INPUT VALUE I
* - DAILY SUMMARY IS FOR AN I
% - UNIT VALUES RECORD WRITTE

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGI
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSE

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	8-16	14.3	11.0	12.4	AM				
					PM				
	8-17	13.6	9.9	11.7	AM	10.8	10.5	10.4	10.2
					PM	13.2	13.4	13.6	13.3
A	8-18	13.2	10.2	11.4	AM	10.7	10.6	10.4	10.2
					PM	12.8	12.6	13.2	12.6
A	8-19	13.8	10.7	11.7	AM	10.9	10.8	10.8	10.7
					PM	13.1	13.4	12.8	12.5
	8-20	12.7	10.5	11.5	AM	10.8	10.8	10.8	10.8
					PM	12.0	12.6	12.3	12.0
A	8-21	15.6	9.5	11.8	AM	10.3	10.2	10.0	9.8
					PM	15.2	15.6	14.7	14.1
A	8-22	16.5	9.5	12.3	AM	10.4	10.3	10.1	10.0
					PM	15.6	16.3	16.5	16.3
A	8-23	17.1	9.9	12.7	AM	11.0	10.9	10.6	10.4
					PM	15.8	16.8	17.1	16.6
A	8-24	17.1	10.4	12.9	AM	11.3	11.5	11.6	11.3
					PM	16.1	16.8	17.1	16.8
A	8-25	16.3	10.7	12.7	AM	11.1	11.0	11.0	11.0
					PM	15.7	16.3	16.3	15.8
A	8-26	16.0	10.0	12.4	AM	11.5	11.1	10.8	10.6
					PM	15.9	16.0	15.5	15.2
A	8-27	16.1	10.2	12.5	AM	10.9	10.7	10.6	10.4
					PM	15.3	16.1	16.1	15.6
	8-28	16.6	10.8	13.0	AM	11.8	11.5	11.3	11.1
					PM	15.4	16.3	16.6	16.3
A	8-29	16.3	10.2	12.5	AM	11.2	11.1	10.9	10.7
					PM	15.6	16.1	16.3	15.9
A	8-30	14.0	10.6	11.7	AM	10.9	10.8	10.6	10.7
					PM	11.8	11.8	13.0	14.0
A	8-31	15.8	10.5	12.4	AM	11.3	11.1	10.9	10.8
					PM	14.9	15.6	15.8	15.6
A	9-01	16.0	9.6	12.0	AM	10.4	10.3	10.2	10.0
					PM	15.2	15.9	16.0	15.7
A	9-02	16.1	9.9	12.2	AM	10.6	10.4	10.2	10.1
					PM	15.2	15.8	16.1	15.8
A	9-03	16.3	9.9	12.4	AM	10.8	10.5	10.4	10.3
					PM	15.4	16.3	16.1	15.7
A	9-04	15.5	9.9	11.9	AM	11.1	10.9	10.7	10.6
					PM	14.9	15.4	15.5	15.1
A	9-05	15.6	9.1	11.6	AM	9.7	9.5	9.5	9.4
					PM	14.7	15.5	15.6	15.3
A	9-06	15.6	9.6	11.8	AM	10.2	10.1	10.0	9.9
						14.7	15.5	15.6	15.2

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	9-07	14.7	9.8	11.7	AM	10.4	10.3	10.2	10.1
					PM	14.7	14.2	14.3	13.6
	9-08	14.3	10.2	11.9	AM	10.7	10.6	10.5	10.4
					PM	14.3	13.7	13.4	13.3
A	9-09	14.4	10.4	12.2	AM	11.2	11.2	11.1	10.9
					PM	14.1	14.3	13.9	14.1
AR	9-10	14.8	11.2		AM	11.4	11.2	10.9	10.9
					PM	14.8		14.2	13.4
A	9-11	13.8	9.9	11.5	AM	11.0	10.8	10.5	10.2
					PM	13.6	13.3	13.2	13.8
AR	9-12	14.3	8.6		AM	10.1	9.8	9.7	9.3
					PM	13.4	14.1	14.3	13.9
AR	9-13	13.3	8.3		AM	9.2	8.9	8.8	8.7
					PM	12.5	13.3	12.5	12.3
AR	9-14	13.8	8.0		AM	9.3		9.0	
					PM	12.9	13.6	13.8	13.4
A	9-15	14.2	7.2	9.8	AM	8.3	8.1	7.9	7.6
					PM	12.8	13.8	14.2	13.9
A	9-16	14.8	7.4	10.0	AM	8.2	8.0	7.9	7.8
					PM	13.4	14.4	14.8	14.5
A	9-17	14.8	7.3	10.1	AM	8.3	8.2	8.0	7.9
					PM	13.3	14.4	14.8	14.5
AR	9-18	14.1	7.7	*	AM	8.7	8.4	8.2	8.1
					PM	13.4	14.1		
PERIOD		17.1	7.2						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SP
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIO
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WATI
DATA PROCESSED

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	9-18	14.6	9.1	11.5*	AM				
					PM		FM 14.5	14.6	14.5
A	9-19	14.7	8.2	10.3*	AM	8.8	8.6	8.5	8.4
					PM	13.6	14.2	14.7	13.8
PERIOD		14.7	8.2						

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX.	MIN	MEAN		1	2	3	4
		ELECTRIC STOPPED	CLOCK 9/20			ELECTRIC OFF 9/19 TO 9/20			
A	9-21	13.9	9.6	11.8*	AM				
					PM	13.9	13.7	13.9	13.8
A	9-22	13.7	8.5	10.5	AM	9.5	9.3	9.1	8.9
					PM	13.2	13.5	13.7	13.5
A	9-23	13.4	8.6	10.5	AM	9.2	9.2	9.0	8.9
					PM	11.4	12.1	12.6	13.1
A	9-24	14.9	7.4	10.5	AM	8.5	8.3	8.0	7.9
					PM	13.5	14.2	14.9	14.6
A	9-25	14.0	8.5	10.8	AM	9.1	9.1	9.1	9.1
					PM	13.4	13.5	13.9	14.0
A	9-26	16.0	8.9	11.0*	AM	9.1	8.9	9.0	8.9
					PM	13.9	15.1	16.0	15.9
PERIOD		16.0	7.4						

BLOWN POWER
SUPPLY NO DATA 9/27 THRU 10/15

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SF
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIC
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306058
WILLOW CREEK NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

VA

S	DATE	MAX	MIN	MEAN		1	2	3	4	
	10-15	~~12.9~~	~~9.4~~	~~11.3~~*	AM					
					PM			12.5	12.9	1
AR	10-16	12.5	6.3		AM	8.9	9.0	8.7	8.4	
					PM	10.2	11.7	12.5	12.6	1
AR	10-17	10.5	3.6		AM	7.0	6.4	5.5	5.4	
					PM	8.6		10.1	10.4	1
AR	10-18	12.0	6.2		AM	8.4	8.4	8.4	8.2	
					PM	9.9	10.9	11.6	12.0	1
AR	10-19	12.5	1.8		AM	8.8	8.8	8.5	8.4	
					PM	11.4	11.9	12.4		1
AR	10-20	9.0	3.8		AM	8.9	8.6	8.0	8.0	
					PM	8.1			6.0	
AR	10-21	7.5	3.8		AM	4.0	4.5	4.3	4.4	
					PM	5.9	6.5	7.0		
AR	10-22	8.5	1.4		AM	3.4	3.0	2.7	2.0	
					PM	6.3	7.2	8.0	8.4	
AR	10-23	10.0	2.4		AM	4.1			3.4	
					PM		9.4	10.0	9.9	
A	10-24	7.0	2.8	4.4*	AM	5.5	5.0	4.7	4.4	
					PM	7.0				
	PERIOD	12.9	1.4							

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SP
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIO
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

Coding Form for Input and Update of Daily Values--Continued

Par Code 00010 TEMP

Station identification number 09306058 Willow Cr. Water year 1980 Stat Code 00002 MIN

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3							3							3
	4							4							4
	5							5							5
	6							6							6
	7							7							7
	8							8							8
Card No. 02	9							9							9
	10		1					10							10
	11		2					11							11
	12		0.5					12							12
	13		0.5					13							13
	14							14							14
	15	999999						15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24	6						24							24
Card No. 04	25	3						25							25
	26	4						26							26
	27	5						27							27
	28	3						28							28
	29	2						29							29
	30	1				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1) Water year [ ] (17–20) Total value (sum of daily value entries) [ ] (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

Coding Form for Input and Update of Daily Values--Continued

Par Code 00010 TEMP

Station identification number 09306058 Willow Cr. Water year 1980 Stat Code 00003 MEAN

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3							3							3
	4							4							4
	5							5							5
	6							6							6
	7							7							7
	8							8							8
Card No. 02	9							9							9
	10		3.5					10							10
	11		2.5					11							11
	12		1.5					12							12
	13		1					13							13
	14							14							14
	15	999999						15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24	8.5						24							24
Card No. 04	25	6.5						25							25
	26	7						26							26
	27	7						27							27
	28	5.5						28							28
	29	3.5						29							29
	30	2.5				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1) Water year [ ] (17–20) Total value (sum of daily value entries) [ ] (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

11 A-252

Par Code 00010 TEMP

Stat Code 00001 MAX

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306058 Willow Cr. Water year 1980

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3							3							3
	4							4							4
	5							5							5
	6							6							6
	7							7							7
	8							8							8
Card No. 02	9							9							9
	10		6					10							10
	11		3					11							11
	12		5					12							12
	13		1.5					13							13
	14							14							14
	15	999999						15							15
	16	12.5						16							16
Card No. 03	17	10.5						17							17
	18	12						18							18
	19	12.5						19							19
	20	9						20							20
	21	7.5						21							21
	22	8.5						22							22
	23	10						23							23
	24	10.5						24							24
Card No. 04	25	11.5						25							25
	26	10.5						26							26
	27	10.5						27							27
	28	8.5						28							28
	29	[illegible]						29							29
	30	[illegible]				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1) Water year [ ] (17–20) Total value (sum of daily value entries) [ ] (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306058 - WILLOW CREEK NEAR RIO BLANCO, CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	TEMPERATURE (DEG C)	AGENCY ANALYZING SAMPLE (CODE NUMBER)	WEATHER (WMO CODE NUMBER)	SURFACE AREA (SQ MI)	STREAMFLOW, INSTANTANEOUS (CFS)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PH (UNITS)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)
OCT 25...	1245	6.5	80020	1	48	--	2	1400	6.4	--	8.0	7.8
NOV 15...	1100	1.0	80020	1	48	1.3	7	1320	11.2	--	8.5	2.5
DEC 05...	1300	.0	80020	--	48	--	--	1050	9.4	8	7.8	--
JAN 18...	1330	3.0	80020	1	48	--	7	1300	10.6	--	8.0	8.0
FEB 21...	1330	5.0	80020	1	48	--	4	1200	9.0	--	8.4	2.9
APR 04...	1305	11.0	80020	1	48	--	20	1400	9.2	--	8.4	3.0
MAY 30...	1100	13.0	80020	1	48	--	--	1450	8.8	--	8.0	--
JUL 17...	1250	21.5	80020	--	48	.48	0	1350	12.0	20	7.9	8.4

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306058 - WILLOW CREEK NEAR RIO BLANCO, CO.

PROCESS DATE 09/13/79
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WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ALKA-LINITY (MG/L AS CACO3)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
OCT 25...	400	490	0	--	.51	--	.31	.54	.00	.08	.01	.11
NOV 15...	410	500	0	--	.36	--	.20	.21	.02	.04	.01	.11
DEC 05...	--	--	--	0	--	--	--	--	--	--	--	--
JAN 18...	410	500	0	--	.85	.78	.63	.54	.00	.00	.02	.20
FEB 21...	380	380	39	--	.73	.64	.51	.35	.12	.07	.02	.13
APR 04...	390	470	0	--	.28	.12	.20	.05	.00	.01	.02	.05
MAY 30...	--	--	--	--	--	--	--	--	--	--	--	--
JUL 17...	390	470	0	0	.27	.33	.25	.29	.01	.02	.00	.00

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
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WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT 25...	.54	--	.39	.12	.14	.12	.03	.04	.01	5.3	1.1	--
NOV 15...	.23	--	.24	.12	.13	.03	.03	.01	.01	8.7	--	--
DEC 05...	--	--	--	--	--	--	--	--	--	--	--	.00
JAN 18...	.54	--	.63	.22	.24	.28	.00	.09	.00	6.0	1.2	--
FEB 21...	.47	--	.58	.15	.17	.28	.06	.09	.02	5.8	1.3	--
APR 04...	.05	--	.21	.07	.07	.12	.00	.04	.00	7.0	2.3	--
MAY 30...	--	--	--	--	--	--	--	--	--	--	--	--
JUL 17...	.30	.00	.27	.00	.03	.00	.12	.02	.04	36	--	.00

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306058 - WILLOW CREEK NEAR RIO BLANCO, CO.

PROCESS DATE 09/13/79
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WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SULFIDE TOTAL (MG/L AS S)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM ADSORPTION RATIO	SODIUM PERCENT	SODIUM, POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)
OCT												
25...	--	510	110	84	73	120	2.3	34	--	2.0	14	350
NOV												
15...	--	560	150	99	76	120	2.2	32	--	1.8	10	420
DEC												
05...	.0	--	--	--	--	--	--	--	--	2.5	--	--
JAN												
18...	--	510	100	86	72	110	2.1	32	--	1.7	14	330
FEB												
21...	--	520	140	91	70	120	2.3	34	--	1.8	11	340
APR												
04...	--	500	120	84	71	130	2.5	36	--	1.6	.0	360
MAY												
30...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
17...	.0	490	110	69	77	130	2.6	37	130	2.4	11	390

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306058 - WILLOW CREEK NEAR RIO BLANCO, CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)
OCT												
25...	.4	16	0	--	--	--	130	--	--	--	--	--
NOV												
15...	.3	15	1	--	--	--	140	--	--	--	--	--
DEC												
05...	--	--	--	--	60	--	--	<1	--	10	--	--
JAN												
18...	.4	16	1	--	--	--	110	--	--	--	--	--
FEB												
21...	.3	15	1	--	--	--	110	--	--	--	--	--
APR												
04...	.4	15	1	--	--	--	120	--	--	--	--	--
MAY												
30...	--	--	--	2	--	100	--	--	0	--	10	0
JUL												
17...	.4	14	4	--	70	--	160	<1	--	0	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306058 - WILLOW CREEK NEAR RIO BLANCO, CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)
OCT												
25...	--	--	--	10	--	--	--	0	--	--	--	--
NOV												
15...	--	--	--	30	--	--	--	0	--	--	--	--
DEC												
05...	5	--	--	--	8	--	--	--	2	--	--	--
JAN												
18...	--	--	--	10	--	--	--	9	--	--	--	--
FEB												
21...	--	--	--	20	--	--	--	0	--	--	--	--
APR												
04...	--	--	--	40	--	--	--	10	--	--	--	--
MAY												
30...	--	9	730	--	--	12	40	--	--	3	3	0
JUL												
17...	2	--	--	10	0	--	--	5	12	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306058 - WILLOW CREEK NEAR RIO BLANCO, CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	STRONTIUM, DISSOLVED (UG/L AS SR)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ALUMINUM, DISSOLVED (UG/L AS AL)	LITHIUM DISSOLVED (UG/L AS LI)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL (UG/L AS SE)	ODOR, ATMOSPHERIC (SEVERITY)	GROSS ALPHA, DISSOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DISSOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)
OCT 25...	--	--	--	--	--	--	--	0	--	--	--	--
NOV 15...	--	--	--	--	--	--	--	0	--	--	--	--
DEC 05...	2900	60	--	20	10	1	--	0	--	--	<2.6	.8
JAN 18...	--	--	--	--	--	--	--	0	--	--	--	--
FER 21...	--	--	--	--	--	--	--	0	--	--	--	--
APR 04...	--	--	--	--	--	--	--	0	--	--	--	--
MAY 30...	--	--	30	--	--	--	1	0	<10	1.6	12	2.0
JUL 17...	3100	<3	--	20	7	1	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306058 - WILLOW CREEK NEAR RIO BLANCO, CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, (COLS. PER 100 ML)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)
OCT												
25...	--	--	--	--	--	.00	902	--	1.23	.04	--	.00
NOV												
15...	--	--	--	--	--	.10	989	3.4	1.35	.01	--	.03
DEC												
05...	.04	--	K12	400	0	--	--	--	--	--	--	--
JAN												
18...	--	--	--	--	--	.00	878	--	1.19	.01	--	.00
FEB												
21...	--	--	--	--	--	.00	877	--	1.19	.02	--	.15
APR												
04...	--	--	--	--	--	.00	894	--	1.22	.01	--	.00
MAY												
30...	.06	200	100	105	--	--	--	--	--	--	--	--
JUL												
17...	--	--	--	--	0	.00	929	1.2	1.26	.00	.02	.01

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306058 - WILLOW CREEK NEAR RIO BLANCO, CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	BROMIDE DIS- SOLVED (MG/L AS BR)	PHOS- PHORUS TOTAL (MG/L AS PO4)	NITRO- GEN, TOTAL (MG/L AS NO3)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	ELEV. OF LAND SURFACE DATUM (FT. NGVD)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)
OCT 25...	--	--	2.3	--	--	6273.00	--	--	--	--	--
NOV 15...	--	--	1.6	--	--	6273.00	--	--	--	--	--
DEC 05...	.2	--	--	.1	--	6273.00	2.3	<8.5	.9	<2.3	.7
JAN 18...	--	--	3.8	--	--	6273.00	--	--	--	--	--
FEB 21...	--	--	3.2	--	--	6273.00	--	--	--	--	--
APR 04...	--	--	1.2	--	--	6273.00	--	--	--	--	--
MAY 30...	--	--	--	--	1.9	6273.00	2.4	<15	2.4	11	1.8
JUL 17...	.1	.06	1.2	.1	--	6273.00	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306058 - WILLOW CREEK NEAR RIO BLANCO, CO.

PROCESS DATE 10/15/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)
JUL										
17...	<.4	.04	0	.00	929	1.2	1.26	.00	.02	.01

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306058 - WILLOW CREEK NEAR RIO BLANCO, CO.

PROCESS DATE 10/15/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	ZINC, DIS-SOLVED (UG/L AS ZN)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	LITHIUM DIS-SOLVED (UG/L AS LI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	GROSS ALPHA, DIS-SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)
JUL 17...	0	5	12	3100	<3	20	7	1	<9.5	<.3	<5.3

USGS WATER GAUGING STATION 09306061
Piceance Creek Above Hunter Creek

A. Figure II A-5: Stream Flow for Water Years 1974-1978

B. DAILY TABLES

1. Discharge (Flow)
2. Dissolved Oxygen
3. pH
4. Specific Conductance
5. Temperature

C. WATER QUALITY DATA
PROCESS DATE 9/13/79
10/15/79

Figure II A-5

STREAM FLOW AT USGS STATION 09306061 (WU61)

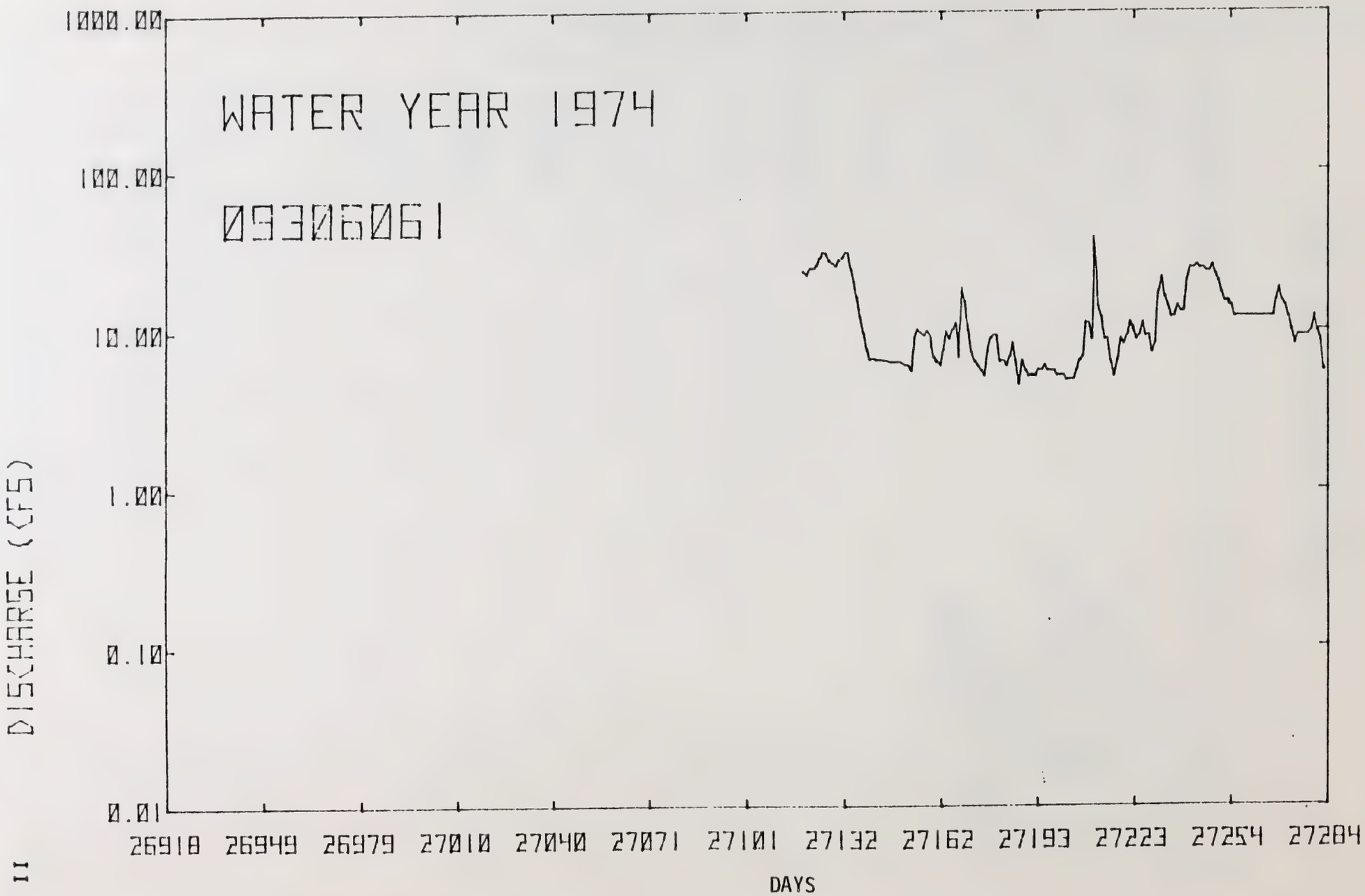


Figure II A-5

STREAM FLOW AT USGS STATION 09306061 (WU61)

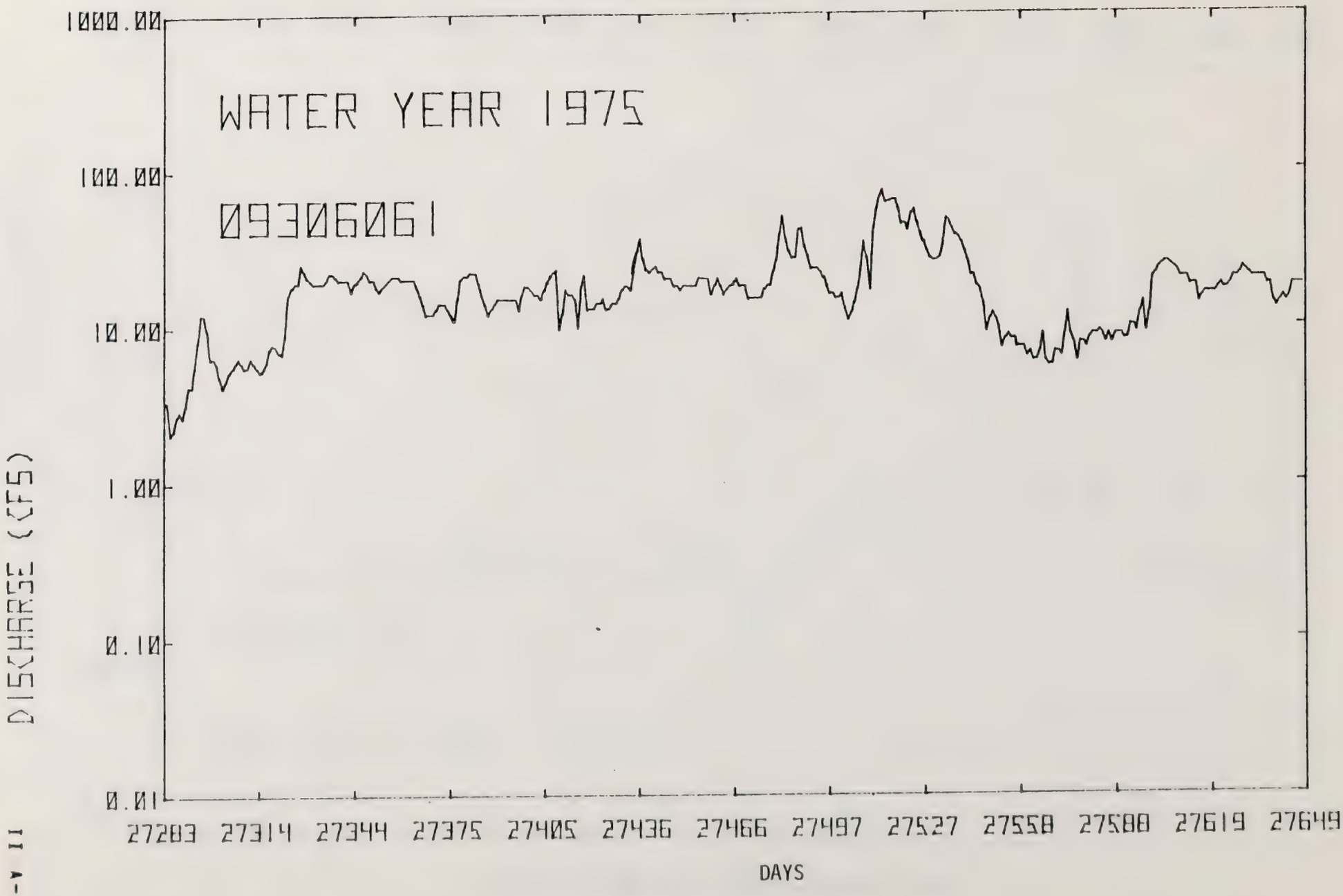


Figure II A-5

STREAM FLOW AT USGS STATION 09306061 (WU61)

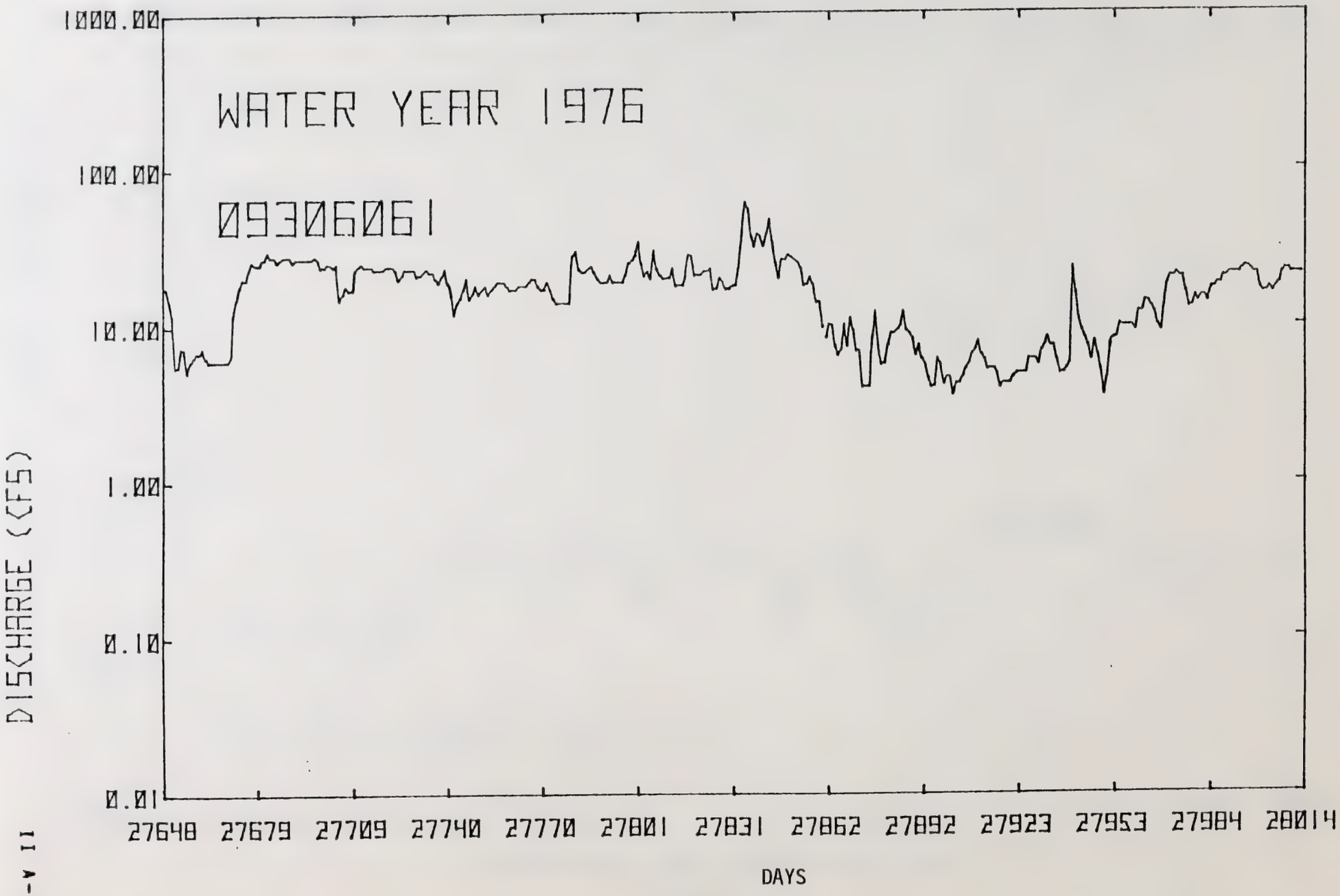


Figure II A-5

STREAM FLOW AT USGS STATION 09306061 (WU61)

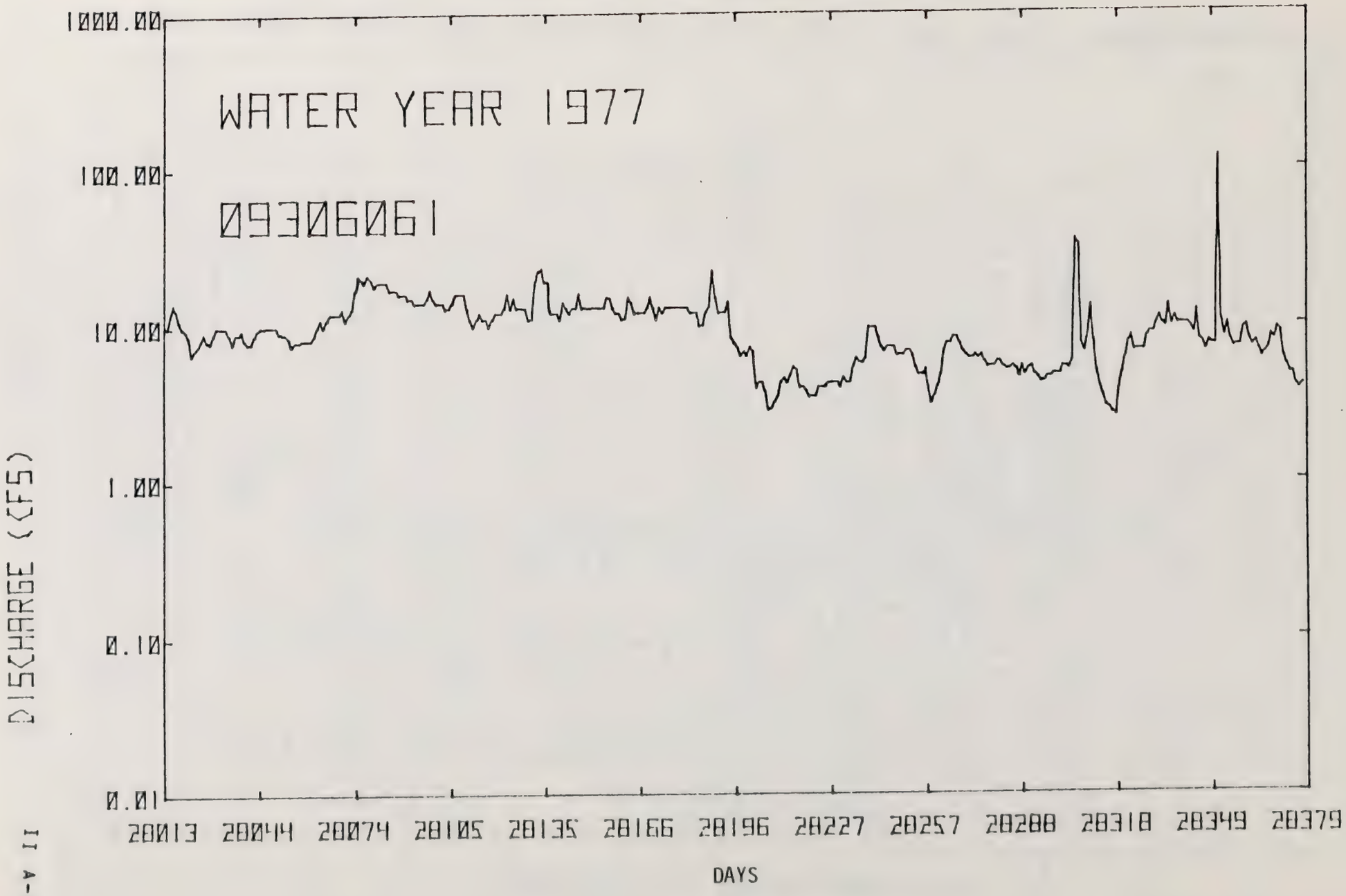
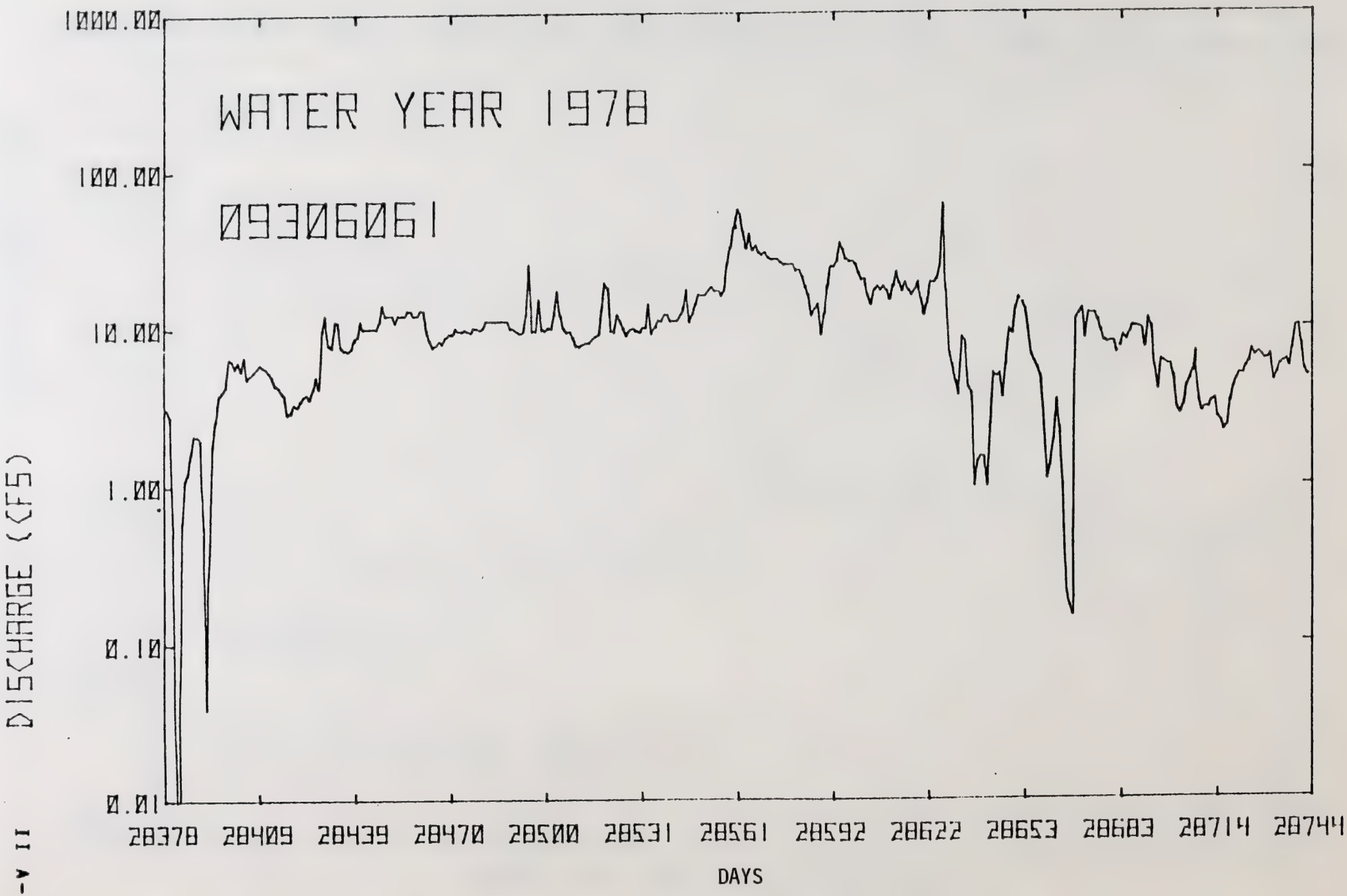


Figure II A-5

STREAM FLOW AT USGS STATION 09306061 (WU61)



Daily Gage Height, in Feet, and Discharge, in Second-Feet, of PICEANCE CR ABOVE HUNTER Creek

Near RIO BLANCO, COLO for the Year Ending September 30, 1979

Drainage Area 309 Square Miles. Water-Stage Recorder CONTINUOUS Datum 1 : 6 Gage Read to Once a Day by

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

PICEANCE CR AB HUNTER CR
NR RIO BLANCO, COLO
1979

File Number Washington 09306061
District

Used rating table dated A02

Gage heights used to half tenths between and hundredths below and tenths above these limits.

Max. Disch. — Sec.-ft. at on (G. H. ft.) Max. G. H. ft. on
Min. Disch. Sec.-ft. on (G. H. ft.) Min. G. H. ft. on
Mean Discharge Second-feet V - Winter Rise Manual Zero
Runoff Inches "a" - No Gage Height "b" - Ice Backwater
Runoff Acre-feet

Day	October Gage height	October Discharge	November Gage height	November Discharge	December Gage height	December Discharge	January Gage height	January Discharge	February Gage height	February Discharge	March Gage height	March Discharge
1	1.28	4.0	1.27	5.8	1.46	16	a	17	a	14		16
2	1.26	3.4	1.29	6.2	1.47	16		17	a	14		16
3	1.14	.63	1.30	6.4	1.67	b 16		17	a	13		16
4	1.15	.78	1.30	6.6	1.44	15		17	1.75	b 13		17
5	1.18	1.4	1.31	6.9	1.43	15		17	1.65	12		17
6	1.20	2.0	1.43	12.	1.62	b 15		17	2.00	12		13
7	1.23	2.7	1.46	13.	1.75	b 16		17	1.83	b 12		14
8	1.24	3.0	1.48	14	a	17		17	1.33	b 11		14
9	1.29	4.3	1.52	17	1.46	17		17	1.23	b 11		14
10	1.30	4.6	1.52	16.	1.42	15	a	17	1.28	b 11		17
11	1.26	3.5	1.51	16.	1.40	14	1.20	17	1.19	11		15
12	1.28	4.0	1.58	20	1.46	17	1.19	16	1.19	11		15
13	1.29	5.2	1.59	21	28/1.45	25 17	1.19	16	1.19	12		15
14	1.27	4.8	28/1.58	26 20	1.58	b 17	1.61	b 16	1.21	12		15
15	1.24	3.9	1.54	26 18	1.52	16	28/1.20	17	1.21	12		16
16	1.23	3.8	1.55	19	1.79	16	1.17	15	1.22	13		17
17	1.22	3.5	1.52	17	1.74	b 15	1.19	16	1.23	13		17
18	1.22	3.6	1.51	17	1.34	14	1.18	15	1.27	b 13		16
19	1.25	4.4	1.51	17	1.29	12	1.19	15	1.22	13		16
20	1.25	4.4	1.51	17	1.27	12	1.20	16	1.22	13		16
21	1.23	4.0	1.51	17	1.33	b 13	1.41	b 16		13		16
22	1.22	3.9	1.51	16	1.45	b 13	1.22	17	a"	14		17
23	1.22	3.9	1.52	18	1.26	14	1.45	b 17	clock stop	15	28	16
24	1.21	3.7	1.51	17	1.26	15	1.47	b 17	a"	15		16
25	1.22	3.9	1.51	17	1.35	b 15	1.62	b 17		22		16
26	1.24	4.5	1.51	18	1.63	16	1.37	b 16		16		17
27	1.24	4.6	1.50	17	1.68	b 17	a	16		16		18
28	1.23	4.5	1.53	b 17	1.25	17	a	16		17		19
29	1.23	4.6	1.49	17	1.31	b 17	a	15				21
30	1.25	24 5.1	1.47	16	1.38	b 17	a	15				18
31	1.27	5.6			1.73	b 17	a	15				18
Total		116.21	45		479.0		506.0		374.0		504.0	

Day	April Gage height	April Discharge	May Gage height	May Discharge	June Gage height	June Discharge	July Gage height	July Discharge	August Gage height	August Discharge	September Gage height	September Discharge
1		18	1.60	16 38	1.68	19 73	1.41	14	1.82	16 30	1.69	17 28
2		18	1.58	16 37	1.62	18 66	1.43	15	1.83	17 30	1.67	16 26
3		18	1.73	17 51	1.61	18 65	1.47	18	1.81	17 29	1.61	05 23
4		19	1.72	50	1.62	18 65	1.50	19	1.77	18 25	1.55	19
5		19	1.60	39	1.55	18 58	1.44	16	1.78	19 25	1.49	15
6		19	1.62	17 41	1.45	18 48	1.32	9.6	1.83	20 28	1.46	13
7		19	1.77	18 56	1.39	41 42	1.30	8.7	1.83	21 27	1.48	15
8		22	1.95	74	1.38	19 41	1.30	8.7	1.87	21 30	1.50	16
9		25	1.92	71	1.39	41 42	1.35	11	29/1.89	22 31	1.51	16
10		44	1.93	18 72	1.34	40 37	1.33	10	29/1.96	22 37	1.51	16
11		31	"a"	19 80	1.30	40 33	29/1.32	01 9.6	1.93	22 34	1.52	17
12		25	"a"	88	1.26	39 29	1.29	9.9	1.84	31	1.58	21
13		26	2.13	96	1.24	39 28	1.30	01 29	1.74	20 31	1.57	20
14		29	2.16	100	1.27	39 30	1.33	01 9.1	1.74	20 31	1.56	19
15		38	2.28	116	1.22	38 25	1.28	02 6.7	29/1.74	20 31	1.56	06 19
16		41	a	14 127	1.18	38 23	1.27	01 6.0	1.74	31	1.51	04 17
17	29/1.80	29 54	29/2.42	20 138	1.13	39 19	1.32	04 7.5	1.75	32	1.41	12
18	1.82	56	2.42	22 141	1.14	37 19	1.34	06 7.9	1.73	30	29/1.41	04 12
19	1.79	53	2.46	23 149	a	19	1.33	06 7.5	1.74	31	1.43	12
20	1.70	14 46	2.41	25 144	clock stop	18	1.46	06 13	1.75	32	1.45	13
21	1.65	41	2.39	27 135		18	1.58	07 18	1.75	27 32	1.40	04 11
22	1.64	40	2.20	29 119	a	19	1.57	08 18	1.73	06 31	a	6.0
23	1.61	38	2.09	30 105	1.12	35 17	1.59	09 19	1.71	30	a	7.0
24	1.60	14 37	2.07	32 105	1.11	35 16	1.57	09 18	1.70	29	29 a	6.0
25	1.62	15 39	2.05	31 105	1.11	35 16	1.58	10 18	1.69	28	1.35	04 5.2
26	1.62	39	2.00	35 100	31/V	31 24 14	1.79	11 28	1.68	27	1.30	02 4.3
27	20/1.63	15 40	1.95	31 96	1.41	14	1.78	13 30	1.67	26	1.37	04 5.8
28	1.62	15 39	1.93	31 96	1.35	11	1.73	13 25	1.67	26	1.40	05 6.4
29	1.61	16 39	1.89	31 93	1.35	11	1.68	13 22	1.71	30	1.46	07 7.9
30	1.62	16 40	1.83	32 88	1.38	01 12	1.72	14 24	1.72	30	1.51	08 9.6
31			1.75	29 81			1.76	15 26	1.71	30		
Total		1,012		2,831		926		460		925		48

Mean Second-feet per square mile
Runoff in inches
Runoff in acre-feet
Maximum
Minimum

Note! Most days were computed on Rt 1230

Quarter Period Year — Fifth Record — Quarter Fifth Record — Quarter Fourth Record — Quarter Third Record — Quarter Second Record — Quarter First Record — Quarter Fourth Record — Quarter Third Record — Quarter Second Record — Quarter First Record

Computed
Checked
Date applied
Date checked

II A-271

DISCHARGE, IN CFS, WATER YEAR 1980, MEAN VALUES, FOR

PICEANCE CR ABV HUNTER 09306061 WY 1980

	Oct.	Nov.
1	10.00	21.00
2	12.00	19.00
3	13.00	19.00
4	13.00	18.00
5	14.00	18.00
6	14.00	19.00
7	14.00	19.00
8	13.00	19.00
9	13.00	20.00
10	13.00	19.00
11	14.00	19.00
12	13.00	19.00
13	12.00	19.00
14	11.00	0.00
15	11.00	0.00
16	11.00	0.00
17	13.00	0.00
18	14.00	0.00
19	15.00	0.00
20	19.00	0.00
21	19.00	0.00
22	20.00	
23	21.00	
24	28.00	
25	28.00	
26	28.00	
27	28.00	
28	26.00	
29	30.00	
30	29.00	
31	27.00	
TOTAL	546.00	0.00

Coding Form for Input and Update of Daily Values--Continued

DO max

Station identification number 09306061 Piceance Cr. at Hunter Cr. Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	10.1					NO DATA	1					7.7	9.0	1
	2	10.0						2					7.8	9.0	2
	3	10.4						3					7.6	8.8	3
	4	10.2						4						8.7	4
	5	10.3						5						9.0	5
	6	10.0	NO DATA	NO DATA				6						9.0	6
	7	10.0				999999		7						9.0	7
	8	9.7				999999		8					7.9	9.0	8
Card No. 02	9	9.2				999999		9					7.9	8.9	9
	10	8.9						10						8.7	10
	11	9.1			FROZEN	999999		11					8.4	9.1	11
	12	8.8			LINES		NO DATA	12					7.9	9.6	12
	13	8.6					9.6	13		999999			7.7	9.9	13
	14	8.3					11.1	14					8.3	10.0	14
	15	8.6					10.9	15						9.9	15
	16	8.6					10.4	16					8.1	10.0	16
Card No. 03	17	8.5					10.2	17				10.1	8.6	10.0	17
	18	8.2					10.4	18				9.8	8.5		18
	19	7.6				999999	10.4	19				9.8	8.4		19
	20	7.1					10.4	20				9.4	8.4		20
	21	6.7				10.2		21	999999			8.5	8.7		21
	22					10.6	10.8	22	999999	999999		8.8	8.6		22
	23					10.7	11.0	23	999999	9.3		9.1	8.5		23
	24					10.9	11.0	24		10.4		9.1	8.4		24
Card No. 04	25					10.9	11.1	25		999999		8.8	8.5		25
	26					10.7	11.0	26				7.3	8.6		26
	27					10.2	10.7	27				7.4	8.7		27
	28					NO DATA	10.8	28				7.6	8.4		28
	29					—	10.0	29		999999		7.6	8.7		29
	30					-------	10.7	30		9.0		7.9	8.7		30
	31		-------			-------	NO DATA	31	-------	9.1	-------	7.9	8.8	-------	31

TOTAL CHECK CARD

Type	Water year	Total value (sum of daily value entries)
T	1979	
1	17 20	21 32

Par Code 00300

Stat Code 00001

Remarks

PRELIMINARY DATA SUBJECT TO REVISION

GPO : 1971 O - 442-477

D.O.
min

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306061 Piceance Cr. at Hunter Cr. Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	5.4	NO DATA	NO DATA	NO DATA		NO DATA	1					4.0	7.1	1
	2	5.7						2					4.7	7.1	2
	3	5.6						3					4.2	7.0	3
	4	5.4						4						7.0	4
	5	5.5						5						7.0	5
	6	5.2						6						7.0	6
	7	5.0				999999		7						7.3	7
	8	4.8				999999		8					6.7	7.4	8
Card No. 02	9	4.8				999999		9			7.1		7.0	7.2	9
	10	4.8						10				6.6		7.1	10
	11	4.8				999999		11		7.9			6.7	7.3	11
	12	2.5					NO DATA	12					6.5	7.5	12
	13	5.0					8.5	13		999999			6.8	8.0	13
	14	5.0					9.0	14					7.2	7.8	14
	15	5.1					8.5	15					7.5	7.7	15
	16	5.1					8.2	16					7.5	7.5	16
Card No. 03	17	4.9					8.2	17				6.3	7.5	7.5	17
	18	4.9					8.8	18				6.4	7.9		18
	19	4.9				999999	8.4	19				6.1	7.6		19
	20	4.8					8.6	20				6.3	7.8		20
	21	4.8				9.6		21	999999			6.1	7.2		21
	22			LINES		10.0	9.0	22	999999	999999		6.2	6.8		22
	23			FROZEN		9.8	8.6	23	999999	7.9		6.2	6.8		23
	24					9.4	8.0	24		8.3		6.0	6.8		24
Card No. 04	25					9.4	8.3	25		999999		6.0	7.1		25
	26					9.6	8.0	26				6.3	7.1		26
	27					9.8	8.8	27				6.3	7.0		27
	28					NO DATA	8.1	28				6.3	6.9		28
	29						8.6	29		999999		6.4	7.0		29
	30					-------	8.0	30		7.2		6.4	7.6		30
	31		-------			-------	NO DATA	31	-------	7.9	-------	6.3	7.1	-------	31

TOTAL CHECK CARD

Type	Water year	Total value (sum of daily value entries)
T	1979	
1	17 20	21 32

Par Code 00300

Stat Code 00002

Remarks

PRELIMINARY DATA SUBJECT TO REVISION

GPO : 1971 O-442-477

D.O. mean

Coding Form for Input and Update of Daily Values--Continued

Station identification number ~~09306061 Piceance Cr. at Hunter Cr.~~ Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	7.2					NO DATA	1					5.9	8.0	1
	2	7.3						2					6.7	8.0	2
	3	7.4						3					5.6	7.8	3
	4	7.3						4						7.8	4
	5	7.1		NO DATA				5						8.0	5
	6	7.0	NO DATA					6						8.1	6
	7	6.7				999999		7						8.0	7
	8	6.5				999999		8					7.2	8.1	8
Card No. 02	9	6.3				999999		9					7.5	8.0	9
	10	6.1						10						7.8	10
	11	6.2				999999		11					7.5	7.9	11
	12	5.9					NO DATA	12					7.2	8.4	12
	13	6.2					9.1	13		999999			7.2	8.9	13
	14	6.2					10.0	14					7.9	8.8	14
	15	6.2					9.7	15					8.2	8.6	15
	16	6.3			NO DATA		9.3	16					7.8	8.7	16
Card No. 03	17	6.1					9.2	17				8.0	8.0	8.7	17
	18	5.8					9.6	18				8.2	8.1		18
	19	5.9				999999	9.4	19				8.0	8.0		19
	20	5.5		FROZEN LINES	NO DATA		9.3	20				7.4	8.1		20
	21	5.3				10.1	NO DATA	21	999999			7.3	7.9		21
	22					10.4	9.9	22	999999	999999		7.4	7.7		22
	23					10.4	9.8	23	999999	8.3		7.4	7.6		23
	24					10.2	9.7	24		8.1		7.4	7.6		24
Card No. 04	25					10.4	9.6	25		999999		7.1	7.7		25
	26					10.2	9.5	26				6.7	7.8		26
	27					10.0	9.5	27				6.9	7.8		27
	28					NO DATA	9.2	28				6.9	7.6		28
	29						9.3	29		999999		7.0	7.8		29
	30					-------	9.6	30		8.1		7.1	8.2		30
	31		-------			-------	NO DATA	31	-------	8.6	-------	7.1	8.0	-------	31

TOTAL CHECK CARD

Type: T (1) Water year: 1979 (17–20) Total value (sum of daily value entries) (21–32)

Par Code 00300

Stat Code 00003

Remarks

PRELIMINARY DATA SUBJECT TO REVISION

GPO : 1971 O - 442-477

UNITED STATES DEPARTMENT
PRIMARY CON

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO B
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING

S	DATE	MAX	MIN	MEAN		1
A	4-02	10.5	8.7	9.4*	AM	
					PM	
A	4-03	11.2	8.7	9.9	AM	9.5
					PM	10.6
A	4-04	11.2	8.7	9.9	AM	9.5
					PM	10.8
A	4-05	11.1	7.7	9.5	AM	9.1
					PM	10.7
A	4-06	11.2	7.5	9.4	AM	8.8
					PM	11.0
A	4-07	11.1	7.7	9.3	AM	8.6
					PM	10.7
A	4-08	10.1	7.5	8.7	AM	8.6
					PM	8.6
A	4-09	9.7	8.4	8.9	AM	8.8
					PM	9.0
	4-10	9.9	8.6	9.3	AM	8.7
					PM	.3
	4-11	10.2	9.1	9.7	AM	9.9
					PM	9.7
A	4-12	10.3	8.6	9.4	AM	9.6
					PM	9.2
A	4-13	10.3	8.1	9.2	AM	9.4
					PM	9.1
A	4-14	9.9	7.7	8.8	AM	9.2
					PM	8.5
A	4-15	9.7	7.6	8.7	AM	8.9
					PM	8.5
A	4-16	9.8	7.6	8.6	AM	8.7
					PM	8.5
A	4-17	9.4	7.5	8.4	AM	8.5
					PM	8.3
A	4-18	9.0	7.5	8.3	AM	8.4
					PM	8.2
A	4-19	9.1	7.9	8.5	AM	8.4
					PM	8.7
A	4-20	9.6	7.8	8.7	AM	8.8
					PM	8.6
A	4-21	9.2	6.2	~~7.8~~ 8.7	AM	8.6
					PM	~~7.1~~
A	4-22	~~9.1~~	Delete ~~8.8~~	~~7.6~~	AM	~~7.6~~
					PM	~~7.7~~
A	4-23	8.2	7.4	7.8	AM	~~7.6~~
					PM	~~7.5~~
A	4-24	8.7	7.5	8.1		.9

UNITED STATES DEPART E
PRIMARY C

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDI

S	DATE	MAX	MIN	MEAN		1
					PM	8.5
A	4-25	8.8	7.6	8.2	AM	8.0
					PM	8.6
A	4-26	9.3	7.6	8.4	AM	8.2
					PM	8.9
A	4-27	9.3	7.5	8.4	AM	8.2
					PM	8.9
A	4-28	8.8	7.7	8.2	AM	7.9
					PM	8.5
A	4-29	9.1	7.6	8.4	AM	8.2
					PM	[illegible]
A	4-30	8.8	7.5	8.1	AM	8.1
					PM	8.4
	5-01	8.3	7.8	8.1*	AM	7.9
					PM	[illegible]
	PERIOD	11.2	6.2			

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING
A - SUCCESSIVE RECORDED PUNCH READI
R - ONE OR MORE INPUT VALUE IS OUTS
* - DAILY SUMMARY IS FOR AN INCOMPLE
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	5-31	8.8 ~~10.4~~	6.8	8.3	AM				
					PM	8.1	7.8	7.5	7.2
A	6-01	8.8	6.8	7.7	AM	7.5	7.6	7.8	8.0
					PM	8.1	7.7	7.4	7.1
A	6-02	8.3	6.5	7.3	AM	7.2	7.3	7.5	7.6
					PM	7.6	7.3	7.0	6.8
A	6-03	8.0	6.5	7.2	AM	7.0	7.1	7.2	7.4
					PM	7.4	7.1	6.9	6.7
A	6-04	7.7	6.2	6.9	AM	6.9	7.0	7.1	7.2
					PM	7.0	6.8	6.6	6.3
A	6-05	7.7	6.1	6.9	AM	6.8	6.9	7.1	7.2
					PM	7.1	6.8	6.6	6.4
A	6-06	7.4	5.5	6.9	AM	6.7	6.7	6.9	7.0
					PM	6.9	6.6	6.6	6.5
A	6-07	7.4	6.8	7.1	AM	6.8	7.0	7.0	7.1
					PM	7.0-	-6.9	6.8	6.[illegible]
	6-08	8.1	7.3	7.8	AM	7.3	7.4	7.4	7.[illegible]
					PM	8.0	7.9	7.8	7.8
A	6-09	8.6	7.1	7.5	AM	8.1	8.2	8.3	8.3
					PM		7.7	7.4	7.3
A	6-10	8.5	6.5	7.5	AM	7.6	7.7	7.8	8.0
					PM	7.6	7.3	7.0	6.8
A	6-11	8.0	6.3	7.1	AM	7.1	7.3	7.4	7.5
					PM	7.1	6.9	6.6	6.5
A	6-12	7.7	6.3	7.0	AM	6.9	7.1	7.2	7.3
					PM	6.9	6.6	6.4	6.5
A	6-13	7.7	6.3	7.0	AM	7.0	7.1	7.2	7.3
					PM	7.0	6.8	6.7	6.5
	6-14	7.6	6.5	7.0	AM	6.8	6.9	7.1	7.2
					PM	7.1	6.9	6.7	6.6
	6-15	7.6	6.5	7.0	AM	6.9	6.9	7.0	7.1
					PM	7.2	7.0	6.8	6.7
A	6-16	8.0	6.5	7.1	AM	7.0	7.2	7.3	7.4
					PM	7.2	7.0	6.8	6.7
A	6-17	8.1	6.8	7.3	AM	7.0	7.1	7.2	7.4
					PM	7.5	7.3	7.1	7.0
	6-18	7.9	7.1	7.5	AM	7.1	7.2	7.3	7.3
					PM	7.7	7.6	7.5	7.4
A	6-19	8.3	7.3	7.8	AM	7.3	7.3	7.4	7.[illegible]
					PM	8.3	8.3-	-8.2	8.[illegible]
A	6-20	8.6	6.8	7.7	AM	7.5	7.7	7.8	7.9
					PM	8.2	7.9	7.7	7.6
A	6-21	8.4	6.8	7.6	----------	7.0	7.1	7.2	7.4
						8.1	8.0	7.9	7.6

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
09306061 DATA PROCESSED
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	6-24	8.3	6.1	7.4*	AM				
					PM	8.2	8.2	8.0	7.9
A	6-25	8.5	6.3	7.2	AM	6.3	6.4	6.5	6.6
					PM	8.5	8.3-	-8.1	8.0
A	6-26	9.1	6.5	7.8	AM	6.7	6.7	6.8	6.9
					PM	9.0	9.0	9.1	9.0
A	6-27	9.0	6.5	7.7	AM	6.6	6.7	6.8	6.9
					PM	8.8	8.5	8.6	8.8
A	6-28	9.2	6.0	7.6	AM	6.6	6.6	6.7	6.8
					PM	9.1	8.8	8.5	8.7
A	6-29	10.1	6.3	7.9	AM	6.3	6.5	6.5	6.6
					PM	9.9	10.1	9.9	9.9
A	6-30	10.5	6.2	7.8	AM	6.5	6.5	6.5	6.5
					PM	9.5	10.1	10.5	10.5
A	7-01	10.6	6.4	8.0	AM	6.4	6.4	6.5	6.5
					PM	10.6	10.3	9.4	8.3
A	7-02	10.2	6.3	8.0	AM	6.4	6.5	6.5	6.[illegible]
					PM	10.1	10.2	10.1	9.[illegible]
A	7-03	9.8	6.4	7.8*	AM	6.4	6.5	6.5	6.5
					PM	9.3	9.8 - FM 10.2		
PERIOD		10.6	6.0						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OF MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGI
PRIMARY COMPUTATIONS OF QUALITY O WA
DATA PROC SSE

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
							m 10.2 R 10.0		
A	7-03	8.9	6.3	7.6	AM				8.9
					PM				
A	7-04	10.1	6.4	8.1	AM	6.5	6.6	6.6	6.7
					PM	9.5	10.1	9.8	10.0
A	7-05	10.3	6.4	8.1	AM	6.6	6.6	6.7	6.7
					PM	10.0	10.2	10.3	9.9
A	7-06	11.2	6.6	8.2	AM	6.6	6.7	6.7	6.8
					PM	11.0	10.7	8.9	10.6
A	7-07	11.7	6.4	8.7	AM	6.8	6.9	6.9	7.0
					PM	10.9	11.4	11.7	11.6
A	7-08	11.0	6.5	8.4	AM	6.5	6.6	6.7	6.8
					PM	10.4	10.7	11.0	11.0
A	7-09	10.3	6.5	8.2	AM	6.7	6.8	6.8	6.9
					PM	9.9	10.2	10.3	10.1
A	7-10	10.0	6.6		AM	6.6	6.7	6.8	6.9
					PM	9.3	9.4	9.6	9.7
	PERIOD	11.7	6.3						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERS
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

SHIFT PRORATED FROM 0.00 ON

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL
PRIMARY COMPUTATIONS OF QUALITY OF WATER
DATA PROCESSED (

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO. PAR
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979. VAR

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	7-11	9.6	6.7	8.0	AM	6.9	6.9	6.9	6.9
					PM	9.5	9.6	9.6	9.3
A	7-12	10.1	6.7	8.2	AM	7.0	7.1	7.1	7.2
					PM	10.0	10.1	9.9	9.8
A	7-13	10.0	6.6	8.2	AM	6.9	7.0	7.1	7.2
					PM	9.9	10.0	9.9	9.7
A	7-14	9.7	6.7	8.0	AM	6.9	7.0	7.1	7.2
					PM	9.7	9.5	9.7	9.3
A	7-15	9.9	6.7	8.1	AM	7.0	7.1	7.2	7.2
					PM	6.8	7.7	9.2	9.4
A	7-16	10.8	6.9	8.6	AM	7.1	7.1	7.2	7.2
					PM	10.8	10.6	10.3	8.3
A	7-17	10.0	7.1	8.0*	AM	7.1	7.2	7.2	7.3
					PM				
	PERIOD	10.8	6.6						

RECORDER C

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SP
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIC
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

SHIFT PRORATED FROM 0.00 ON 7-(

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGI
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSE

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	9-18	10.0	7.5	8.5*	AM				
					PM	9.8	9.7	9.4	9.1
A	9-19	9.9	7.9	8.9*	AM	7.9	8.0	8.1	8.2
					PM	9.8	9.5	9.4	
PERIOD		10.0	7.5						

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGI
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSE

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	9-21	10.1	7.5	8.7*	AM				
					PM	10.1	9.8	9.7	9.2
A	9-22	9.9	7.6	8.6	AM	7.8	7.8	7.9	8.0
					PM	9.8	9.7	9.5	9.5
A	9-23	~~10.2~~	~~4.9~~	~~7.1~~	AM	7.9	8.0	8.1	8.2
					PM	~~6.0~~	~~5.6~~	~~5.4~~	~~5.4~~
A	9-24	~~9.9~~	~~5.8~~	~~7.5~~	AM	~~5.8~~	~~6.2~~	~~6.4~~	~~6.5~~
					PM	9.9	9.7	9.6	9.1
A	9-25	9.8	6.9	8.2	AM	6.9	7.1	7.2	7.3
					PM	9.6	9.8	9.8	9.7
A	9-26	10.3	7.1	8.1	AM	7.1	7.2	7.3	7.4
					PM	10.0	10.1	10.3	10.1
A	9-27	10.7	7.2	8.5	AM	7.2	7.3	7.3	7.4
					PM	10.6	10.7	10.7	10.4
A	9-28	11.1	7.4	8.8	AM	7.4	7.5	7.6	7.7
					PM	11.0	11.1	11.1	10.8
A	9-29	11.5	7.4	8.9	AM	7.5	7.7	7.7	7.9
					PM	11.3	11.5	11.4	10.9
A	9-30	11.4	7.4	8.9	AM	7.5	7.7	7.8	7.9
					PM	11.2	11.4	11.4	11.1
PERIOD		11.5	4.9						

INTAKE OUT OF WATER

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERS
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
& - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WATE

09306061 DATA PROCESSED
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L P.

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980 V.

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	10-01	11.8	7.5	9.2*	AM	7.5	7.6	7.7	7.8
					PM	11.6	11.8	11.8	
	PERIOD	11.8	7.5						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	10-01	10.7	7.3	8.9	AM				
					PM				
A	10-02	12.1	7.1	9.0	AM	7.3	7.4	7.5	7.5
					PM	11.8	12.0	12.1	11.9
A	10-03	11.9	7.2	8.9	AM	7.2	7.3	7.4	7.5
					PM	11.6	11.9	11.9	11.5
A	10-04	12.0	.1	8.8	AM	7.5	7.6	7.7	7.8
					PM	11.8	12.0	11.9	11.4
A	10-05	12.1	7.2	9.1	AM	7.4	7.5	7.6	7.7
					PM	11.9	12.1	12.0	11.6
A	10-06	12.2	7.0	9.0	AM	7.3	7.4	7.6	7.6
					PM	11.9	12.2	12.1	11.7
A	10-07	12.5	7.0	~~500.0~~	AM	7.2	7.3	7.4	7.5
					PM			12.5	11.8
A	10-08	12.1	7.1	8.9	AM	7.2	7.3	7.5	7.5
					PM	11.8	12.1	12.1	11.6
A	10-09	12.2	7.2	9.0	AM	7.2	7.3	7.4	7.5
					PM	11.6	12.2	12.2	11.[illegible]
A	10-10	12.1	7.3	9.0	AM	7.4	7.5	7.6	7.7
					PM	11.7	12.1	12.0	11.6
A	10-11	11.7	7.2	8.9	AM	7.4	7.5	7.6	7.7
					PM	11.5	11.7	11.6	11.5
A	10-12	12.2	7.2	9.1	AM	7.4	7.5	7.6	7.6
					PM	11.9	12.2	12.1	11.8
A	10-13	12.1	7.0	8.9	AM	7.2	7.3	7.4	7.5
					PM	11.7	12.1	12.1	11.7
A	10-14	11.6	7.0	8.7	AM	7.0	7.0	7.1	7.2
					PM	10.7	11.3	11.6	11.5
A	10-15	12.0	6.7	8.7	AM	7.1	7.2	7.2	7.2
					PM	11.7	11.8	12.0	11.6
A	10-16	11.7	6.6	8.4	AM	6.6	6.6	6.7	6.6
					PM	11.5	11.7	11.7	11.2
A	10-17	11.2	6.6	8.3	AM	6.9	6.9	6.9	7.0
					PM	11.1	11.2	11.1	10.9
A	10-18	11.0	6.6	8.0	AM	6.6	6.6	6.6	6.6
					PM	10.3	11.0	10.8	10.5
A	10-19	11.3	6.5	7.9	AM	6.5	6.6	6.6	6.6
					PM	10.4	10.6	11.3	10.6
A	10-20	8.4	6.5	7.6	AM	6.5	6.6	6.6	6.7
					PM	8.3	8.4	8.0	8.1
A	10-21	9.8	7.9	8.5	AM	8.1	8.0	8.0	8.0
					PM	9.6	9.7	9.8	9.4
A	10-22	10.1	7.9	8.7	AM	8.2	8.2	8.3	8.3
					PM	10.1	10.0	9.7	9.5
A	10-23	9.8	7.6	8.6		8.2	8.3	8.3	8.4

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
DISSOLVED OXYGEN (DO), MG/L

PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

VA

S	DATE	MAX	MIN	MEAN		1	2	3	4
					PM	9.8	9.8	9.7	9.2
A	10-24	9.4	7.9	8.6*	AM	7.9	8.0	8.1	8.1
					PM	8.8	8.8		
PERIOD			.1						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SP
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIO
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

Coding Form for Input and Ate of Daily Values--Continued

Par Code 00300 D.O.

Station identification number 09306561 Piceance Cr. at Hunter Cr. Water year _____ Stat Code 00001 MY mg/l

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3		10.6					3							3
	4		10.6					4							4
	5		10.9					5							5
	6		11.0					6							6
	7	12.5	10.2					7							7
	8		10.3					8							8
Card No. 02	9		10.3					9							9
	10		11.0					10							10
	11		10.8					11							11
	12		11.4					12							12
	13		11.4					13							13
	14							14							14
	15							15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24	9.4						24							24
Card No. 04	25	9.8						25							25
	26	9.7						26							26
	27	10.2						27							27
	28	10.3						28							28
	29	10.3						29							29
	30	10.5				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1) Water year [ ] (17–20) Total value (sum of daily value entries) [ ] (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks Dissolved Oxygen maximums

11 A-286

GPO : 1971 O - 477

Coding Form for Input and Output of Daily Values--Continued

Station identification number 09306061 Piceance Cr. at Hunter Cr.

Water year 1970

Par Code 00300 00

Stat Code 0 01 1511

mg/l

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3		9.2					3							3
	4		9.0					4							4
	5		9.1					5							5
	6		9.0					6							6
	7		9.0					7							7
	8		9.0					8							8
Card No. 02	9		8.9					9							9
	10		9.1					10							10
	11		9.5					11							11
	12		9.5					12							12
	13		10.0					13							13
	14							14							14
	15							15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24	8.1						24							24
Card No. 04	25	8.1						25							25
	26	8.3						26							26
	27	8.5						27							27
	28	8.6						28							28
	29	8.9						29							29
	30	9.3				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1) Water year [ ] (17–20) Total value (sum of daily value entries) [ ] (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks Dissolved Oxygen minimum.

GPO : 1971 O - 442-477

Coding Form for Input and late of Daily Values--Continued

Par. Code 00300 D.O.

Station identification number 09306061 Piceance Cr. at Hunter Cr.

Water year

Stat. Code 00003 MEAN mg/l

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3		9.8					3							3
	4		9.8					4							4
	5		9.9					5							5
	6		10.0					6							6
	7	999999	9.5					7							7
	8		9.6					8							8
Card No. 02	9		9.6					9							9
	10		9.9					10							10
	11		10.0					11							11
	12		10.3					12							12
	13		10.6					13							13
	14							14							14
	15							15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24	8.5						24							24
Card No. 04	25	8.9						25							25
	26	8.9						26							26
	27	9.2						27							27
	28	9.4						28							28
	29	9.6						29							29
	30	9.9				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1) Water year [ ] (17–20) Total value (sum of daily value entries) [ ] (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks Dissolved Oxygen means

GPO : 1971 O - 442-477

pH max

Coding Form for Input a /pdate of Daily Values--Continued

Station identification number 09306061 Piceance Cr. at Hunter Cr. Water year 1979 (units)

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	8.3					NO DATA	1					8.2	8.4	1
	2	8.3						2	NO DATA				8.2	8.4	2
	3	8.3						3					8.2	8.4	3
	4	8.2						4						8.4	4
	5	8.2						5						8.4	5
	6	8.2		NO DATA				6						8.4	6
	7	8.2				999999		7						8.4	7
	8	8.2				999999		8					8.3	8.4	8
Card No. 02	9	8.1						9					8.3	8.4	9
	10	8.1	no data					10			8.2			8.4	10
	11	8.1						11					8.3	8.4	11
	12	8.1			DATA		NO DATA	12					8.3	8.4	12
	13	8.1					8.6	13					8.3	8.4	13
	14	8.1					8.6	14					8.3	8.4	14
	15	8.1					8.6	15		999999			8.3	8.4	15
	16	8.1					8.6	16					8.3	8.4	16
Card No. 03	17	8.1					8.5	17					8.3	8.4	17
	18	8.1					8.6	18				8.3	8.3		18
	19	8.1					8.5	19				8.3	8.3		19
	20	8.1					8.6	20				8.2	8.3		20
	21	8.0			NO	8.5	NO DATA	21	999999			8.2	8.3		21
	22	8.0				8.5	8.6	22	999999	999999		8.2	8.3		22
	23	8.1				8.5	8.5	23	999999			8.2	8.3		23
	24	8.1				8.6	8.5	24				8.2	8.4		24
Card No. 04	25	8.1				8.6	8.5	25		999999		8.2	8.3		25
	26					8.5	8.5	26				8.2	8.3		26
	27					8.5	8.5	27				8.2	8.4		27
	28					NO DATA	8.5	28				8.2	8.4		28
	29						8.5	29		999999		8.2	8.4		29
	30					-------	8.5	30				8.2	8.4		30
	31		-------			-------	NO DATA	31	-------		-------	8.2	8.3	-------	31

TOTAL CHECK CARD

Type [T] (1) Water year [1979] (17–20) Total value (sum of daily value entries) (21–32)

Par Code 00400

Stat Code 00001

Remarks

PRELIMINARY DATA SUBJECT TO REVISION

GPO 1971 O - 442-477

pH min

Coding Form for Input ar ›date of Daily Values--Continued

Station identification number 09306061 Piceance Cr. at Hunter Cr. Water year 1979

(units)

Card No.	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
01	1	8.1					NO DATA	1					8.0	8.3	1
	2	8.1						2	no data				8.1	8.3	2
	3	8.1						3					8.0	8.3	3
	4	8.1						4						8.3	4
	5	8.1		NO DATA				5						8.2	5
	6	8.0						6						8.3	6
	7	8.0				999999		7						8.3	7
	8	8.0				999999		8					8.2	8.3	8
02	9	8.0						9					8.2	8.3	9
	10	7.9	no data					10						8.3	10
	11	7.9			NO DATA			11					8.3	8.3	11
	12	8.0					NO DATA	12					8.3	8.3	12
	13	8.0		*			8.5	13					8.3	8.3	13
	14	8.0					8.4	14					8.3	8.3	14
	15	8.0					8.5	15		999999			8.3	8.3	15
	16	8.0					8.4	16					8.3	8.3	16
03	17	8.0					8.4	17					8.3	8.3	17
	18	7.9					8.5	18				8.1	8.3		18
	19	8.0					8.4	19				8.1	8.3		19
	20	8.0					8.4	20				8.1	8.3		20
	21	7.9				8.5	8.4	21	999999			8.1	8.3		21
	22	7.9				8.5	NO DATA	22	999999	999999		8.1	8.3		22
	23	7.9				8.5	8.0	23	8.5			8.1	8.3		23
	24	8.0				8.5	8.4	24				8.1	8.3		24
04	25	8.1				8.5	8.4	25		999999		8.1	8.3		25
	26					8.5	8.4	26				8.1	8.3		26
	27					8.5	8.4	27				8.2	8.3		27
	28					NO DATA	8.4	28				8.2	8.3		28
	29					—	8.4	29		999999		8.2	8.3		29
	30					-------	NO DATA	30				8.2	8.3		30
	31		-------			-------		31	-------		-------	8.2	8.3	-------	31

TOTAL CHECK CARD

Type	Water year	Total value (sum of daily value entries)
T	1979	
1	17 20	21 32

Par Code 00400

Stat Code 00002

Remarks

PRELIMINARY DATA SUBJECT TO REVISION

II A-290

GPO : 1971 O - 442-477

Coding Form for Input a[illegible]date of Daily Values--Continued

Station identification number 09306061 Piceance Cr. at Hunter Cr. Water year 1979

PH MEAN (units)

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	8.2	NO DATA	NO DATA	NO DATA		NO DATA	1	NO DATA				8.1	8.3	1
	2	8.2						2					8.2	8.3	2
	3	8.2						3					8.1	8.3	3
	4	8.1						4						8.3	4
	5	8.1						5						8.3	5
	6	8.1						6						8.3	6
	7	8.1				999999		7						8.4	7
	8	8.0				999999		8					8.3	8.4	8
Card No. 02	9	8.0				(8.6)		9					8.3	8.3	9
	10	8.0						10				(8.2)		8.3	10
	11	8.0						11					8.3	8.3	11
	12	8.1					NO DATA	12					8.3	8.3	12
	13	8.0					8.5	13					8.3	8.4	13
	14	8.0					8.5	14					8.3	8.4	14
	15	8.0					8.5	15		999999			8.3	8.4	15
	16	8.0					8.5	16					8.3	8.4	16
Card No. 03	17	8.0					8.5	17				8.2	8.3	8.4	17
	18	8.0					8.5	18				8.2	8.3		18
	19	8.0					8.5	19				8.2	8.3		19
	20	8.0					8.5	20				8.2	8.3		20
	21	8.0				8.5	8.5	21	999999			8.2	8.3		21
	22	8.0				8.5	NO DATA	22	999999	999999		8.2	8.3		22
	23	8.0				8.5	8.5	23	8.5			8.2	8.3		23
	24	8.0				8.5	8.4	24				8.1	8.3		24
Card No. 04	25	8.1				8.5	8.5	25		999999		8.1	8.3		25
	26					8.5	8.5	26				8.1	8.3		26
	27					8.5	8.5	27				8.2	8.3		27
	28					NO DATA	8.5	28				8.2	8.3		28
	29						8.4	29		999999		8.2	8.3		29
	30					-------	8.4	30				8.2	8.4		30
	31		-------			-------	NO DATA	31	-------		-------	8.2	8.3	-------	31

TOTAL CHECK CARD

Type: T (1) Water year: 1979 (17–20) Total value (sum of daily value entries): (21–32)

Par Code 00400

Stat Code 00003

Remarks PRELIMINARY DATA SUBJECT TO REVISION

GPO : 1971 O 442 477

UNITED STATES DEPA
PRIMA

09306061
PICEANCE CREEK AB HUNTER C, NEAR
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR

S	DATE	MAX	MIN	MEAN	
	4-02	8.6	8.5	8.5*	AM PM
	4-03	8.6	8.5	8.5	AM PM
	4-04	8.6	8.5	8.5	AM PM
	4-05	8.6	8.4	8.5	AM PM
	4-06	8.6	8.5	8.5	AM PM
	4-07	8.6	8.5	8.5	AM PM
	4-08	8.5	8.4	8.5	AM PM
	4-09	8.5	8.4	8.4	AM PM
	4-10	8.5	8.4	8.4	AM PM
	4-11	8.5	8.4	8.5	AM PM
	4-12	8.5	8.4	8.5	AM PM
	4-13	8.5	8.4	8.5	AM PM
	4-14	8.5	8.4	8.5	AM PM
	4-15	8.6	8.4	8.5	AM PM
	4-16	8.5	8.3	8.4	AM PM
	4-17	8.5	8.4	8.4	AM PM
	4-18	8.5	8.4	8.4	AM PM
	4-19	8.5	8.4	8.5	AM PM
	4-20	8.5	8.4	8.5	AM PM
A	4-21	8.6	~~[illegible]~~ 8.5	~~[illegible]~~ 8.5	AM
A	4-22	~~8.6~~	Delete		AM PM
A	4-23	8.5	~~[illegible]~~ 8.5	~~[illegible]~~ 8.5	AM PM
	4-24	8.6	8.5	8.5	AM

UNITED STATES
PRI

09306061
PICEANCE CREEK AB HUNTER C, NE
PH (UNITS)

PROVISIONAL DATA FOR WATER YEA

S	DATE	MAX	MIN	MEAN	
					PM
	4-25	8.6	8.5	8.5	AM
					PM
	4-26	8.6	8.5	8.5	AM
					PM
	4-27	8.6	8.5	8.5	AM
					PM
	4-28	8.6	8.5	8.5	AM
					PM
	4-29	8.6	8.5	8.5	AM
					PM
	4-30	8.6	8.5	8.5	AM
					PM
	5-01	8.5	8.5	8.5*	AM
					PM
	PERIOD	8.6	.5		

NOTE.- SYMBOLS USED ABOVE HAVE THE FOL
A - SUCCESSIVE RECORDED PUNCH
R - ONE OR MORE INPUT VALUE IS
* - DAILY SUMMARY IS FOR AN I
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT

09306061 DATA PROCESSED
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	5-31	8.0	7.9	8.0	AM				
					PM	7.9	7.9	7.9	7.9
	6-01	8.0	7.9	7.9	AM	7.9	7.9	7.9	7.9
					PM	7.9	7.9	7.9	7.9
	6-02	8.0	7.9	7.9	AM	7.9	8.0	8.0	8.0
					PM	7.9	7.9	7.9	7.9
	6-03	8.0	7.9	8.0	AM	8.0	8.0	8.0	8.0
					PM	8.0	7.9	8.0	7.9
	6-04	8.0	7.9	8.0	AM	8.0	8.0	8.0	8.0
					PM	7.9	8.0	8.0	8.0
	6-05	8.0	8.0	8.0	AM	8.0	8.0	8.0	8.0
					PM	8.0	8.0	8.0	8.0
	6-06	8.1	8.0	8.0	AM	8.0	8.0	8.0	8.0
					PM	8.0	8.0	8.0	8.0
	6-07	8.1	8.0	8.0	AM	8.0	8.0	8.0	8.0
					PM	8.0	8.0	8.0	8.0
	6-08	8.1	8.0	8.0	AM	8.0	8.0	8.0	8.0
					PM	8.0	8.0	8.0	8.0
	6-09	8.1	8.0	8.0	AM	8.1	8.0	8.0	8.1
					PM	8.0	8.0	8.0	8.0
	6-10	8.1	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.0	8.0	8.0	8.0
	6-11	8.1	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.0	8.0	8.0	8.0
	6-12	8.1	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.0	8.0	8.0	8.0
	6-13	8.1	8.1	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.1	8.1	8.1
	6-14	8.2	8.1	8.1	AM	8.1	8.1	8.2	8.2
					PM	8.1	8.1	8.1	8.1
	6-15	8.2	8.1	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.1	8.1	8.2	8.1
	6-16	8.2	8.1	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.1	8.1	8.1	8.1
	6-17	8.2	8.1	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.1	8.1	8.2	8.2
	6-18	8.2	8.1	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.2	8.2	8.2	8.2
	6-19	8.2	8.1	8.2	AM	8.2	8.1	8.1	8.2
					PM	8.2	8.2- FM 8.2	8.2	8.2
	6-20	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.2
					PM	8.1	8.1	8.1	8.2
	6-21	8.1	8.1	8.1	---	8.1	8.1	8.1	8.1
						8.1	8.1	8.1	8.1

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
09306061 DATA PROCESSED
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	6-24	8.1	8.1	8.1*	AM				
					PM	8.1	8.1	8.1	8.1
	6-25	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.1-	-8.1	8.2
	6-26	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.2	8.2	8.2	8.2
	6-27	8.2	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.2	8.2	8.2	8.2
	6-28	8.1	8.0	8.0	AM	8.0	8.0	8.0	8.0
					PM	8.1	8.1	8.1	8.1
	6-29	8.2	8.0	8.1	AM	8.0	8.0	8.0	8.0
					PM	8.1	8.2	8.2	8.2
	6-30	8.3	8.1	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.2	8.2	8.2	8.3
	7-01	8.3	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.3	8.2
	7-02	8.3	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.2	8.3	8.3	8.3
	7-03	8.2	8.1	8.1*	AM	8.1	8.1	8.1	8.1
					PM	8.2	8.2	FM 8.2	
	PERIOD	8.3	8.0						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

SHIFT PRORATED FROM -0.10 ON 5-
OK SHIFT PRORATED FROM 0.20 ON 6-

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	7-03	8.2	8.0	8.1	AM			m 8.2	
					PM			R 8.0+.02	8.2
	7-04	8.2	8.0	8.1	AM	8.0	8.0	8.1	8.0
					PM	8.2	8.2	8.2	8.2
	7-05	8.2	8.0	8.1	AM	8.0	8.1	8.0	8.0
					PM	8.2	8.2	8.2	8.2
	7-06	8.3	8.0	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.2	8.3	8.2	8.2
	7-07	8.3	8.0	8.2	AM	8.0	8.0	8.0	8.1
					PM	8.2	8.3	8.3	8.3
	7-08	8.3	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.2	8.2	8.3	8.3
	7-09	8.3	8.1	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.2	8.2	8.2	8.2
A	7-10	8.2	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.1	8.2	8.2	8.2
	PERIOD		8.0						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

SHIFT PRORATED FROM 0.20 ON 7-

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOG
PRIMARY COMPUTATIONS OF QUALITY OF W
DATA PROCESS

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	7-11	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.2	8.2	8.2	8.2
	7-12	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.2	8.2	8.2	8.2
	7-13	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.2	8.2	8.2	8.2
	7-14	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.2	8.2	8.2	8.2
	7-15	8.2	8.1	8.1	AM	8.1	8.1	8.1	8.1
					PM	8.2	8.2	8.2	8.2
	7-16	8.3	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.3	8.3
	7-17	8.2	8.1	8.1*	AM	8.1	8.1	8.1	8.1
					PM				
	PERIOD	8.3	8.1						RECORDE

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVER
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

✓SHIFT PRORATED FROM 0.20 ON

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	9-18	8.4	8.3	8.4*	AM				
					PM	8.4	8.4	8.4	8.4
	9-19	8.4	8.3	8.4*	AM	8.3	8.4	8.4	8.4
					PM	8.4	8.4	8.4	
	PERIOD	8.4	8.3						

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGI
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSE

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	9-21	8.4	8.3	8.4*	AM				
					PM	8.4	8.4	8.4	8.4
	9-22	8.4	8.3	8.3	AM	8.3	8.3	8.3	8.3
					PM	8.4	8.4	8.4	8.4
A	9-23	~~8.4~~ pump plugged	~~1.0~~	~~5.3~~	AM	8.3	8.3	8.3	8.3
					PM	7.2	6.7	3.5	1.1
A	9-24	~~8.3~~	~~1.1~~	~~5.1~~	AM	1.3	1.3	1.3	1.3
					PM	8.3	8.3	8.3	8.3
	9-25	8.3	8.2	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.3	8.3
	9-26	8.3	8.2	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.2	8.3	8.3	8.3
	9-27	8.4	8.2	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.3	8.3
	9-28	8.3	8.2	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.3	8.3
	9-29	8.4	8.2	8.3	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.3	8.4
	9-30	8.4	8.2	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.3	8.4
	PERIOD	8.4	1.0						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306061
PICEANCE C... X AB HUNTER C, NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL ATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4
	10-01	8.4	8.2	8.2*	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.4	
	PERIOD	8.4	8.2						

NOTE.- SYMBOLS USE ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCES VE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR ORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERS
* - DAILY MMARY IS FOR AN INCOMPLETE DAY
% - UNIT UES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSED

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4
	10-01	8.4	8.2	8.2	AM				
					PM				
	10-02	8.4	8.1	8.2	AM	8.2	8.1	8.1	8.1
					PM	8.3	8.3	8.4	8.4
	10-03	8.4	8.1	8.2	AM	8.2	8.2	8.2	8.2
					PM	8.3	8.3	8.4	8.4
	10-04	8.4	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.4	8.4
	10-05	8.4	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.4	8.4
	10-06	8.4	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.4	8.4
X	10-07	8.4	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM			8.4	8.4
	10-08	8.4	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.4	8.4
	10-09	8.4	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.4	8.
	10-10	8.4	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.4	8.4
	10-11	8.4	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.4	8.4
	10-12	8.4	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.4	8.4	8.4
	10-13	8.4	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.3	8.3	8.3	8.4
	10-14	8.3	8.1	8.2	AM	8.1	8.1	8.1	8.1
					PM	8.2	8.3	8.3	8.3
	10-15	8.3	8.0	8.1	AM	8.0	8.0	8.0	8.0
					PM	8.2	8.2	8.3	8.3
	10-16	8.3	8.0	8.1	AM	8.0	8.0	8.0	8.0
					PM	8.2	8.2	8.2	8.3
	10-17	8.3	8.0	8.1	AM	8.0	8.0	8.0	8.0
					PM	8.2	8.2	8.2	8.3
	10-18	8.2	8.0	8.1	AM	8.0	8.0	8.0	8.0
					PM	8.1	8.2	8.2	8.2
	10-19	8.3	8.0	8.1	AM	8.0	8.0	8.0	8.0
					PM	8.2	8.2	8.2	8.3
	10-20	8.3	8.0	8.2	AM	8.0	8.1	8.0	8.0
					PM	8.2	8.2	8.2	8.2
	10-21	8.2	8.1	8.2	AM	8.2	8.2	8.1	8.1
					PM	8.2	8.2	8.2	8.2
	10-22	8.3	8.1	8.2	AM	8.2	8.1	8.1	8.1
					PM	8.2	8.2	8.2	8.2
	10-23	8.2	8.1	8.2		8.2	8.2	8.2	8.1

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
PH (UNITS)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4
					PM	8.2	8.2	8.2	8.2
	10-24	8.3	8.2	8.2*	AM	8.2	8.2	8.2	8.2
					PM	8.2 fm	8.3 fm 8.2		
	PERIOD		8.0						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

Coding Form for Input and Update of Daily Values--Continued

Par Code 00400 pH

max (units)

Station identification number 09306061 Piceance Cr. at Hunter Cr.

Water year 1980 Stat Code 00001

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3		8.3					3							3
	4		8.3					4							4
	5		8.4					5							5
	6		8.3					6							6
	7	8.4	8.2					7							7
	8		8.2					8							8
Card No. 02	9		8.2					9							9
	10		8.2					10							10
	11		8.2					11							11
	12		8.2					12							12
	13		8.2					13							13
	14							14							14
	15							15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24	8.3						24							24
Card No. 04	25	8.4						25							25
	26	8.4						26							26
	27	8.4						27							27
	28	8.4						28							28
	29	8.4						29							29
	30	8.3				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1) Water year (17–20) Total value (sum of daily value entries) (21–32)

PRELIMINARY RECORD SUBJECT TO REVISION

Remarks pH maximums

GPO : 1971 442-477

II A-302

Coding Form for Input and Update of Daily Values--Continued

Par Code

Stat Code

Par Code ____

Stat Code C(____ MIN PH (units)

Coding Form for Input and date of Daily Values--Continued

Station identification number 09306061 Piceance Cr. at Hunter Cr.

Water year 1980

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3		8.2					3							3
	4		8.3					4							4
	5		8.3					5							5
	6		8.2					6							6
	7		8.2					7							7
	8		8.2					8							8
Card No. 02	9		8.2					9							9
	10		8.2					10							10
	11		8.2					11							11
	12		8.2					12							12
	13		8.2					13							13
	14							14							14
	15							15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24							24							24
Card No. 04	25	8.3						25							25
	26	8.3						26							26
	27	8.3						27							27
	28	8.3						28							28
	29	8.3						29							29
	30	8.3				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type: T (1)

Water year: (17–20)

Total value (sum of daily value entries): (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks pH minimums

Par Code 00400 pH

Coding Form for Input and Update of Daily Values--Continued

Stat Code 06 MEAN (units)

Station identification number 09306061 Piceance Cr. at Hunter Cr Water year 1980

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3		8.3					3							3
	4		8.3					4							4
	5		8.3					5							5
	6		8.3					6							6
	7	8.2	8.2					7							7
	8		8.2					8							8
Card No. 02	9		8.2					9							9
	10		8.2					10							10
	11		8.2					11							11
	12		8.2					12							12
	13		8.2					13							13
	14							14							14
	15							15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24	8.2						24							24
Card No. 04	25	8.3						25							25
	26	8.3						26							26
	27	8.3						27							27
	28	8.3						28							28
	29	8.3						29							29
	30	8.3				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1) Water year [ ] (17–20) Total value (sum of daily value entries) [ ] (21–32)

PRELIMINARY RECORD SUBJECT TO REVISION

Remarks pH means

GPO : 1971 2-477

II A-304

Coding Form for Input and Update of Daily Values--Continued

COND
MAY
mhos

Coding Form for Input and "date of Daily Values--Continued

Station identification number 09306061 Piceance Cr. at Hunter Cr. Water year 1978

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	1418	NO DATA	NO DATA			NO DATA	1					1410	1190	1
	2	1410						2					1360	1200	2
	3	1474						3					1350	1250	3
	4	1484						4						1290	4
	5	1484						5						1280	5
	6	1506						6						1270	6
	7	1526				999999		7						1270	7
	8	1538				999999		8					1250	1270	8
Card No. 02	9	1536						9					1230	1270	9
	10	1552						10				1540		1260	10
	11	1592						11					1210	1270	11
	12	1592					NO DATA	12					1230	1250	12
	13	1584					1234	13		999999			1220	1240	13
	14	1566					1258	14					1220	1250	14
	15	1544					1284	15					1220	1250	15
	16	1530					1278	16					1230	1250	16
Card No. 03	17	1528			NO DATA		1276	17					1230	1270	17
	18	1564					1282	18				1500	1230		18
	19	1612					1298	19				1530	1220		19
	20	1626					1292	20				1520	1220		20
	21	1616				1284	NO DATA	21	999999			1500	1230		21
	22	1570				1276	1284	22	999999	999999		1510	1230		22
	23	1572		LINES		1312	1294	23	999999			1510	1230		23
	24	1552		FROZEN		1272	1300	24				1530	1240		24
Card No. 04	25	1540				1318	1302	25		999999		1540	1230		25
	26					1278	1278	26				1500	1230		26
	27					1274	1284	27				1410	1230		27
	28					NO DATA	1266	28				1450	1230		28
	29						1246	29		999999		1450	1190		29
	30					-------	1352	30				1450	1190		30
	31		-------			-------	NO DATA	31	-------		-------	1410	1190	-------	31

TOTAL CHECK CARD

Type	Water year	Total value (sum of daily value entries)
T	1978	
1	17 20	21 32

Par Code 00095

Stat Code 00001

Remarks

PRELIMINARY DATA SUBJECT TO REVISION

GPO : 1971 O - 442-477

COND
MIN

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306061 Piceance Cr. at Hunter Cr. Water year 1979

umhos

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	1380	NO DATA	NO DATA	NO DATA		NO DATA	1					1330	1170	1
	2	1364						2					1340	1180	2
	3	1418						3					1330	1200	3
	4	1452						4						1250	4
	5	1456						5						1240	5
	6	1474						6						1240	6
	7	1502				999999		7						1240	7
	8	1516				999999		8					1220	1240	8
Card No. 02	9	1518				1260		9					1220	1240	9
	10	1526						10						1220	10
	11	1554						11					1190	1230	11
	12	1556			NO DATA		NO DATA	12					1200	1190	12
	13	1558					1202	13		999999			1200	1220	13
	14	1542					1218	14					1200	1210	14
	15	1524					1200	15					1210	1210	15
	16	1516					1162	16					1200	1220	16
Card No. 03	17	1520					1176	17				1470	1190	1240	17
	18	1524					1260	18				1470	1200		18
	19	1546					1262	19				1480	1190		19
	20	1530					1260	20				1470	1190		20
	21	1526				1262	NO DATA	21	999999			1470	1200		21
	22	1534				1220	1222	22	999999	999999		1480	1200		22
	23	1546				1220	1266	23	999999			1480	1200		23
	24	1536		LINES		1242	1274	24				1490	1200		24
Card No. 04	25	1536		FROZEN		1238	1252	25		999999		1490	1200		25
	26					1258	1240	26				1400	1190		26
	27					1262	1252	27				1390	1190		27
	28					NO DATA	1212	28				1400	1160		28
	29						1216	29		999999		1420	1160		29
	30					-------	1200	30				1400	1170		30
	31		-------			-------	NO DATA	31	-------		-------	1380	1170	-------	31

TOTAL CHECK CARD

Type: T (1) Water year: 1979 (17–20) Total value (sum of daily value entries) (21–32)

Par Code 00095

Stat Code 00002

Remarks PRELIMINARY DATA SUBJECT TO REVISION

GPO : 1971 O-442-477

II A-306

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mean

) Cond mean

Coding Form for Input ar date of Daily Values--Continued

Station identification number 09306061 Piceance Cr. at Hunter Cr. Water year 1979 µmhos

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	1396					NO DATA	1					1380	1180	1
	2	1383						2					1350	1200	2
	3	1437						3					1340	1230	3
	4	1468						4						1270	4
	5	1466						5						1260	5
	6	1488						6						1260	6
	7	1512	NO DATA	NO DATA		999999		7						1260	7
	8	1529				999999		8					1240	1250	8
Card No. 02	9	1527				(1270)		9					1230	1260	9
	10	1536						10				(1530)		1240	10
	11	1577						11					1200	1250	11
	12	1579			NO DATA		NO DATA	12					1220	1220	12
	13	1570					1214	13		999999			1210	1230	13
	14	1553					1249	14					1210	1230	14
	15	1532					1246	15					1220	1230	15
	16	1524					1229	16					1220	1240	16
Card No. 03	17	1529					1239	17				1490	1220	1260	17
	18	1541					1273	18				1490	1220		18
	19	1579					1281	19				1500	1210		19
	20	1575					1275	20				1490	1210		20
	21	1570		LINES		1271	NO DATA	21	999999			1480	1210		21
	22	1561		FROZEN		1248	1249	22	999999	999999		1500	1220		22
	23	1561				1262	1261	23	999999			1500	1210		23
	24	1546				1261	1286	24				1500	1220		24
Card No. 04	25	1538				1269	1278	25		999999		1520	1210		25
	26					1267	1259	26				1450	1210		26
	27					1266	1268	27				1400	1210		27
	28					NO DATA	1248	28				1420	1200		28
	29					———	1325	29		999999		1440	1170		29
	30					-------	1236	30				1420	1180		30
	31		-------			-------	NO DATA	31	-------		-------	1400	1180	-------	31

TOTAL CHECK CARD

Type	Water year	Total value (sum of daily value entries)
T	1979	
1	17 20	21 32

Par Code 00095

Stat Code 00003

Remarks

PRELIMINARY DATA SUBJECT TO REVISION

GPO : 1971 O - 442-477

UNITED STATES DEPARTMENT
PRIMARY COM

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO B
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT

PROVISIONAL DATA FOR WATER YEAR ENDING

S	DATE	MAX	MIN	MEAN		1
	4-02	1260	1230	1250*	AM	
					PM	
	4-03	1270	1240	1260	AM	1260
					PM	1260
	4-04	1260	1230	1250	AM	1250
					PM	1250
	4-05	1250	1210	1230	AM	1250
					PM	1240
	4-06	1240	1200	1220	AM	1230
					PM	1230
	4-07	1240	1180	1210	AM	1230
					PM	1210
A	4-08	1220	1120	1170	AM	1210
					PM	1150
A	4-09	1120	1000	1040	AM	1120
					PM	1020
A	4-10	988	846	886	AM	938
					PM	866
	4-11	1090	894	998	AM	894
					PM	1010
	4-12	1160	1100	1130	AM	1100
					PM	1140
	4-13	1180	1120	1140	AM	1140
					PM	1150
	4-14	1170	1120	1140	AM	1130
					PM	1140
A	4-15	1160	994	1050	AM	1160
					PM	1020
A	4-16	1010	790	864	AM	1010
					PM	798
A	4-17	872	718	795	AM	754
					PM	736
A	4-18	876	714	792	AM	868
					PM	734
A	4-19	894	770	832	AM	878
					PM	790
	4-20	946	898	912	AM	898
					PM	902
A	4-21	954	~~46~~ 946	~~530~~ 950	AM	950
					PM	~~[illegible]~~
A	4-22	~~966~~	Delete	~~163~~	AM	~~[illegible]~~
					PM	~~[illegible]~~
A	4-23	954	~~48~~ 924	~~421~~ 935	AM	~~46~~
					PM	~~[illegible]~~
		966	914	938	AM	956

UNITED STATES DEP
PRI

09306061
PICEANCE CREEK AB HUNTER C. [illegible]
SPECIFIC CONDUCTANCE (MICROMHOS

PROVISIONAL DATA FOR WATER YEAR

S	DATE	MAX	MIN	MEAN	
	4-25	950	906	929	P[illegible] A[illegible] P[illegible]
	4-26	950	930	940	A[illegible] P[illegible]
	4-27	956	928	943	A[illegible] P[illegible]
	4-28	956	922	941	A[illegible] P[illegible]
	4-29	946	926	936	A[illegible] P[illegible]
	4-30	944	922	931	A[illegible] P[illegible]
	5-01	964	934	951*	A P[illegible]
	PERIOD	1270	46		

NOTE.- SYMBOLS USED ABOVE HAVE THE FOL
A - SUCCESSIVE RECORDED PUNCH
R - ONE OR MORE INPUT VALUE IS
* - DAILY SUMMARY IS FOR AN IN
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	5-31	1010	974	994	AM				
					PM	990	1010	1000	996
	6-01	1020	994	1010	AM	1010	1020	1010	1010
					PM	1000	1010	1000	1010
	6-02	1040	1010	1030	AM	1010	1020	1020	1030
					PM	1020	1030	1020	1030
	6-03	1050	1020	1030	AM	1050	1050	1050	1050
					PM	1030	1040	1020	1020
	6-04	1050	1020	1040	AM	1020	1030	1040	1040
					PM	1030	1040	1040	1030
	6-05	1090	1050	1070	AM	1060	1050	1050	1070
					PM	1060	1060	1070	1060
	6-06	1120	1080	1100	AM	1100	1090	1090	1090
					PM	1080	1080	1100	1100
	6-07	1140	1110	1120	AM	1120	1120	1120	1120
					PM	1110	1130	1120	113[illegible]
	6-08	1170	1120	1140	AM	1130	1130	1130	1130
					PM	1130	1140	1140	1150
	6-09	1170	1140	1150	AM	1150	1150	1140	1150
					PM	1160	1140	1150	1150
	6-10	1180	1150	1170	AM	1160	1170	1170	1170
					PM	1160	1160	1160	1150
	6-11	1180	1170	1180	AM	1180	1180	1180	1180
					PM	1170	1170	1170	1180
A	6-12	1220	1180	1200	AM	1190	1180	1180	1200
					PM	1200	1210	1210	1210
A	6-13	1230	1170	1210	AM	1220	1210	1220	1220
					PM	1210	1220	1210	1210
A	6-14	1230	1180	1200	AM	1180	1190	1190	1190
					PM	1200	1200	1200	1210
A	6-15	1240	1210	1230	AM	1220	1220	1230	1230
					PM	1230	1230	1220	1230
	6-16	1310	1220	1270	AM	1220	1230	1240	1240
					PM	1270	1290	1270	1290
	6-17	1330	1300	1310	AM	1300	1300	1300	1300
					PM	1310	1300	1310	1310
	6-18	1380	1330	1350	AM	1330	1330	1340	1350
					PM	1370	1350	1350	1340
A	6-19	1390	1340	1370	AM	1380	1380	1390	139[illegible]
					PM	1360	1370-FM 1300-1370		1370
	6-20	1400	1360	1380	AM	1380	1390	1390	1380
					PM	1370	1370	1370	1370
	6-21	1430	1400	141[illegible]		1400	1400	1410	1410
						1410	1410	1420	1420

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSED

09306061
PICEANCE CREEK 3B HUNTER C, NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	6-24	1510	1480	1490*	AM				
					PM	1490	1490	1490	1480
	6-25	1500	1450	1480	AM	1500	1490	1480	1490
					PM	1450	1470	1450	1460
	6-26	1520	1470	1490	AM	1510	1510	1520	1520
					PM	1480	1490	1470	1470
A	6-27	1560	1440	1490	AM	1490	1480	1470	1470
					PM	1450	1450	1470	1510
	6-28	1570	1550	1560	AM	1550	1560	1560	1550
					PM	1550	1550	1560	1560
	6-29	1580	1560	1570	AM	1570	1570	1570	1570
					PM	1570	1570	1570	1570
	6-30	1570	1490	1530	AM	1570	1570	1570	1570
					PM	1500	1500	1500	1500
	7-01	1510	1470	1500	AM	1510	1510	1510	1510
					PM	1480	1480	1470	1490
	7-02	1530	1450	1490	AM	1500	1500	1500	1500
					PM	1460	1450	1450	1460
	7-03	1520	1470	1510*	AM	1520	1520	1520	1520
					PM	1480	1470	FM 1530	
	PERIOD	1580	1440						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERS
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGI
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSE

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	7-03	1550	1520	1520	AM				
					PM			FM 1530	
	7-04	1560	1510	1530	AM	1550	1550	1550	1530
					PM	1520	1530	1520	1550
	7-05	1560	1510	1530	AM	1530	1530	1520	1510
					PM	1520	1520	1520	1530
	7-06	1570	1540	1560	AM	1560	1570	1560	1520
					PM	1550	1540	1550	1560
	7-07	1570	1500	1540	AM	1570	1560	1570	1550
					PM	1540	1530	1510	1560
A	7-08	1570	1500	1540	AM	1570	1570	1560	1510
					PM	1540	1530	1530	1560
A	7-09	1570	1490	1530	AM	1540	1550	1560	1500
					PM	1520	1510	1510	1560
A	7-10	1540 ~~98400~~	1500	1530 ~~1570~~	AM	1530	1540	1550	1510
					PM	1540	1540	1530	1550
	PERIOD	98400	1490						1530

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979.

S	DATE	MAX	MIN	MEAN		1	2	3	4	VA
	7-11	1560	1510	1530	AM	1530	1540	1540	1540	1
					PM	1520	1510	1510	1510	1
	7-12	1540	1500	1520	AM	1530	1530	1530	1530	1
					PM	1510	1510	1510	1500	1
	7-13	1540	1490	1520	AM	1520	1530	1530	1530	1
					PM	1510	1510	1500	1500	1
	7-14	1540	1510	1530	AM	1520	1530	1530	1530	1
					PM	1520	1520	1520	1510	1
	7-15	1540	1510	1530	AM	1530	1540	1540	1530	1
					PM	1510	1510	1510	1520	1
	7-16	1540	1490	1520	AM	1530	1530	1530	1540	1
					PM	1510	1510	1490	1490	1
	7-17	1530	1500	1520*	AM	1530	1530	1530	1520	1
					PM					
	PERIOD	1560	1490						RECORDER	C

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SP
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIO
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSED

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	9-18	1270	1230	1250*	AM				
					PM	1260	1260	1250	1240
	9-19	1270	1240	1260*	AM	1250	1250	1260	1260
					PM	1260	1250	1240	
	PERIOD	1270	1230						

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSED

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	9-21	1320	1230	1260*	AM				
					PM	1270	1250	1240	1240
A	9-22	1450	1340	1410	AM	1340	1360	1360	1360
					PM	1440	1440	1430	1420
A	9-23	~~1460~~	~~44~~	~~736~~	AM	1450	1460	1440	1450
					PM	~~44~~	~~44~~	~~44~~	~~44~~
A	9-24	~~1580~~	~~46~~	~~863~~	AM	~~46~~	~~46~~	~~46~~	~~46~~
					PM	1530	1530	1540	1540
	9-25	1600	1580	1590	AM	1590	1580	1590	1590
					PM	1580	1580	1580	1580
	9-26	1590	1530	1550	AM	1590	1590	1590	1580
					PM	1550	1540	1540	1540
	9-27	1550	1530	1540	AM	1530	1530	1540	1540
					PM	1540	1540	1530	1530
	9-28	1560	1530	1550	AM	1540	1550	1550	1550
					PM	1540	1540	1540	1530
	9-29	1560	1500	1540	AM	1550	1550	1550	1550
					PM	1540	1540	1530	1530
	9-30	1530	1500	1520	AM	1510	1530	1520	1530
					PM	1520	1510	1510	1500
	PERIOD	1600	44						

INTAKE OUT OF WATER

LOW FLOW PERIOD

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERS
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSED

09306051
PICEANCE CREEK AB HUNTER C. NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	10-01	1520	~~1320~~ 1510	~~1500~~ 1510 *	AM	1510	~~1510~~	~~1510~~	1520
					PM	1520	1520	~~1320~~	
	PERIOD	1520	1320						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

VA

S	DATE	MAX	MIN	MEAN		1	2	3	4
	10-01	1550	1520	1510	AM				
					PM				
A	10-02	1710	1560	1580	AM	1560	1570	1570	1560
					PM	1560	1560	1570	1560
A	10-03	1830	1600	1640	AM	1830	1780	1720	1700
					PM	1610	1620	1610	1610
	10-04	1630	1580	1610	AM	1620	1620	1620	1620
					PM	1600	1600	1590	1590
	10-05	1590	1550	1570	AM	1590	1590	1590	1590
					PM	1570	1570	1570	1560
	10-06	1590	1550	1570	AM	1570	1570	1580	1580
		1580		1560	PM	1570	1570	1560	1560
A	10-07	~~100000~~	1550	~~13900~~	AM	1570	1570	1580	1570
					PM	~~100000~~	~~100000~~	1550	1550
	10-08	1570	1540	1560	AM	1560	1560	1570	1570
					PM	1550	1550	1550	1550
	10-09	1570	1550	1560	AM	1550	1570	1560	1560
					PM	1560	1550	1550	1550
	10-10	1560	1530	1550	AM	1550	1550	1560	1550
					PM	1540	1540	1530	1540
	10-11	1540	1470	1510	AM	1540	1530	1540	1540
					PM	1510	1500	1490	1480
	10-12	1530	1490	1500	AM	1500	1510	1500	1510
					PM	1490	1490	1490	1490
	10-13	1560	1520	1530	AM	1530	1530	1530	1540
					PM	1530	1520	1520	1520
	10-14	1570	1550	1560	AM	1560	1560	1570	1570
					PM	1560	1560	1550	1560
	10-15	1570	1540	1560	AM	1560	1560	1560	1570
					PM	1560	1560	1560	1550
	10-16	1570	1530	1550	AM	1570	1570	1570	1570
					PM	1530	1540	1530	1530
A	10-17	1570	1540	1560	AM	1550	1550	1560	1560
					PM	1570	1550	1550	1540
	10-18	1570	1510	1550	AM	1560	1560	1560	1550
					PM	1550	1540	1540	1530
A	10-19	1540	1490	1520	AM	1530	1520	1520	1520
					PM	1530	1540	1510	1500
A	10-20	1570	1480	1510	AM	1530	1530	1520	1520
					PM	1480	1480	1490	1510
	10-21	1530	1490	1510	AM	1510	1500	1500	1510
					PM	1500	1500	1490	1500
	10-22	1510	1450	1490	AM	1510	1500	1500	1500
					PM	1480	1480	1490	1490
	10-23	1450	1430	14		1450	1450	1450	1450

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WA
DATA PROCESSED

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4
					PM	1440	1440	1450	1450
A	10-24	1440	1340	1410*	AM	1430	1430	1430	1430
					PM	1350	1340		
PERIOD		100000	1340						

fm 1450

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SI
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

Coding Form for Input and Update of Daily Values--Continued

Cond

Parm Code 00095

Station identification number 09306061 Piceance Cr. at Hunter Cr.

Water year 1980

Stat Code 00001 MAX µmhos

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3		1270					3							3
	4		1270					4							4
	5		1270					5							5
	6		1280					6							6
	7	1580	1280					7							7
	8		1280					8							8
Card No. 02	9		1270					9							9
	10		1270					10							10
	11		1270					11							11
	12		1270					12							12
	13		1270					13							13
	14							14							14
	15							15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23						~~999999~~	23
	24	1440						24						~~999999~~	24
Card No. 04	25	1310						25							25
	26	1300						26							26
	27	1300						27							27
	28	1300						28							28
	29	1300						29							29
	30	1270				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type: T (1)

Water year: 17 – 20

Total value (sum of daily value entries): 21 – 32

Remarks Specific Conductance maximums

GPO : 1971 O-[illegible]-477

II A-318

Coding Form for Input and Update of Daily Values--Continued

Par Code 00095 S. COND.

Station identification number 09306061 Piceance Cr. at Hunter Cr.

Water year 1980

Stat Code 00003 MIN umhos

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	1510						1							1
	2							2							2
	3		1250					3							3
	4		1250					4							4
	5		1260					5							5
	6		1250					6							6
	7		1260					7							7
	8		1260					8							8
Card No. 02	9		1260					9							9
	10		1260					10							10
	11		1250					11							11
	12		1250					12							12
	13		1250					13							13
	14							14							14
	15							15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23						~~999999~~	23
	24	1310						24						~~999999~~	24
Card No. 04	25	1290						25							25
	26	1280						26							26
	27	1220						27							27
	28	1280						28							28
	29	1200						29							29
	30	1230				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1) Water year [ ] (17–20) Total value (sum of daily value entries) [ ] (21–32)

Remarks Specific Conductance minimums

II A-319

GPO : 1971 O - 442-477

cond

Coding Form for Input and late of Daily Values--Continued

Par Code 00095

Station identification number 09306061 Piceance Cr. at Hunter Cr.

Water year 1980 Stat Code 00003 MEAN umhos $

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	1510						1							1
	2							2							2
	3		1260					3							3
	4		1260					4							4
	5		1260					5							5
	6		1270					6							6
	7	1560	1270					7							7
	8		1270					8							8
Card No. 02	9		1260					9							9
	10		1270					10							10
	11		1260					11							11
	12		1260					12							12
	13		1260					13							13
	14							14							14
	15							15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23						~~999999~~	23
	24	1370						24						~~999999~~	24
Card No. 04	25	1300						25							25
	26	1290						26							26
	27	1270						27							27
	28	1290						28							28
	29	1250						29							29
	30	1250				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type	Water year	Total value (sum of daily value entries)
T		
1	17 20	21 32

Remarks Specific Conductance means

GPO : 1971 O 71 O 477

temp - max

II A-320

Temp. MAX

Coding Form for Input ar date of Daily Values--Continued

Station identification number 09306061 Piceance Cr. at Hunter Cr. Water year 1979 C

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	16.1	NO DATA	NO DATA			NO DATA	1					20.5	19.0	1
	2	14.8						2	999999				20.5	19.0	2
	3	14.5						3					20.5	19.5	3
	4	15.4						4		999999			SCREEN	19.5	4
	5	15.3				FROZEN		5					BLOCKED	20.0	5
	6	15.3						6						20.0	6
	7	15.1				999999		7						18.5	7
	8	13.8				999999		8					19	16.5	8
Card No. 02	9	14.9				999999		9						18.0	9
	10	14.7						10						18.0	10
	11	15.0						11					20	17.5	11
	12	15.0					NO DATA	12					19	17.0	12
	13	13.1					11.5	13					18.5	14.0	13
	14	13.8					9.0	14					15	16.0	14
	15	13.8					11.5	15		999999			14.5	16.5	15
	16	12.7					12.5	16					15.0	17.0	16
Card No. 03	17	11.7					12.0	17				22.5	15.0	17.0	17
	18	13.0					9.0	18				23.5	13.5		18
	19	13.9					12.0	19			14	21	15.0		19
	20	10.6					10.0	20				17.5	13.0		20
	21	11.0				5.0	NO DATA	21	999999			19	17.0		21
	22	11.8		LINES		3.0	8.0	22	999999	999999		19	19.5		22
	23	15.9		FROZEN		4.0	11.0	23	999999			20	19.5		23
	24	15.7				8.0	13.0	24				22	20.5		24
Card No. 04	25	14.3				7.0	12.5	25		999999		22	18.5		25
	26					5.5	13.0	26				18.5	18.5		26
	27					4.0	8.5	27				20	19.0		27
	28				LINES	NO DATA	13.0	28				21	20.0		28
	29				FROZEN		7.5	29		999999		20.5	19.5		29
	30					-------	11.0	30				20.5	15.0		30
	31		-------			-------	NO DATA	31	-------		-------	20.5	19.0	-------	31

TOTAL CHECK CARD

Type: T (1) Water year: 1979 (17–20) Total value (sum of daily value entries): (21–32)

Par Code 00010

Stat Code 00001

Remarks

PRELIMINARY DATA SUBJECT TO REVISION

GPO : 1971 O - 442-477

temp min C

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306061 Piceance Cr. at Hunter Cr. Water year 1979

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	7.2	NO DATA	NO DATA	NO DATA		NO DATA	1					11.5	8.5	1
	2	7.6						2	999999				10.5	9.0	2
	3	5.0						3					11	9.5	3
	4	5.6						4	~~999999~~	999999				9.5	4
	5	6.7						5						8.5	5
	6	6.6						6						9.0	6
	7	7.3				999999		7						9.0	7
	8	7.8				999999		8					12.5	9.5	8
Card No. 02	9	8.0				999999		9				9.5		10.0	9
	10	8.2						10						12.0	10
	11	8.1						11					10	10.5	11
	12	7.6					NO DATA	12					11	8.0	12
	13	6.8		*			5.0	13					12.5	7.0	13
	14	6.4					1.0	14					11	6.5	14
	15	6.9					2.5	15		999999			10	6.0	15
	16	7.1					3.0	16					11.5	6.5	16
Card No. 03	17	7.6					3.0	17					9.5	7.5	17
	18	8.6					3.5	18				11	10.0		18
	19	7.1					4.0	19				10	10.5		19
	20	7.5					4.5	20				10.5	10.5		20
	21	9.5				3.0	NO DATA	21	999999			11.5	9.0		21
	22	8.8				0.0	2.0	22	999999	999999		12	9.5		22
	23	11.9				0.0	1.5	23	999999			11.5	10.0		23
	24	13.3				1.0	2.0	24				11.5	10.5		24
Card No. 04	25	13.6				0.0	3.5	25		999999		10.5	10.0		25
	26					1.0	3.5	26				15	9.5		26
	27					3.0	5.0	27				12	9.5		27
	28					NO DATA	5.0	28				12	11.0		28
	29						5.0	29		999999		11	9.5		29
	30					-------	1.5	30				10.5	10.0		30
	31		-------			-------	NO DATA	31	-------		-------	10.5	10.0	-------	31

TOTAL CHECK CARD

Type: T (1) Water year: 1979 (17–20) Total value (sum of daily value entries) (21–32)

Par Code 00010

Stat Code 00002

Remarks PRELIMINARY DATA SUBJECT TO REVISION

II A-322

GPO : 1971 O - 442-477

temp mean

Coding Form for Input and Update of Daily Values--Continued

temp
mean

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306061 Piceance Cr. at Hunter Cr. Water year 1979 C

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	11.5	NO DATA	NO DATA			NO DATA	1						13.5	1
	2	10.9						2	999999					14.0	2
	3	9.3						3						14.0	3
	4	10.1						4	~~999999~~	999999				14.0	4
	5	10.4						5						14.0	5
	6	10.6						6						14.0	6
	7	10.9				999999		7						13.5	7
	8	10.8				999999		8						13	8
Card No. 02	9	11.1				999999		9						13.5	9
	10	10.9						10						14.5	10
	11	11.1						11						14.5	11
	12	11.5					NO DATA	12						12.0	12
	13	9.6					8.5	13						12.0	13
	14	9.8					5.5	14						11.0	14
	15	9.8					6.5	15		999999			14.0	11.5	15
	16	9.6			NO		7.5	16					13.0	11.5	16
Card No. 03	17	9.8					7.5	17				15	12.5	11.5	17
	18	10.4					6.0	18				15	12.0		18
	19	10.1					7.5	19				15.5	13.0		19
	20	9.4					7.0	20				14	11.5		20
	21	10.1		LINES		4.0	NO DATA	21	999999			15	13.5		21
	22	10.6		FROZEN		2.0	5.0	22	999999	999999		15.5	14.0		22
	23	13.9				1.5	6.0	23	999999			15	15.0		23
	24	14.6				3.5	7.0	24				16	15.0		24
Card No. 04	25	13.9				2.5	7.5	25		999999		15.5	14.0		25
	26					3.0	8.0	26				17	14.5		26
	27					3.0	6.5	27				15.5	14.0		27
	28					NO DATA	8.0	28				16	15.0		28
	29						6.5	29		999999		15	14.5		29
	30					-------	6.5	30				15	12.0		30
	31		-------			-------	NO DATA	31	-------		-------	15	14.0	-------	31

TOTAL CHECK CARD

Type: T (1) Water year: 1979 (17–20) Total value (sum of daily value entries) (21–32)

Par Code 00010

Stat Code 00003

Remarks PRELIMINARY DATA SUBJECT TO REVISION

GPO : 1971 O - 442-477

UNITED STATES DEP
PRI

09306061
PICEANCE CREEK AB HUNTER C, JEA
TEMPERATURE (DEG. C) OF WATE

PROVISIONAL DATA FOR WATER YEAR

S	DATE	MAX	MIN	MEAN	
	4-02	9.7	4.2	7.5*	AM PM
A	4-03	10.9	.7	5.5	AM PM
A	4-04	9.3	1.7	5.6	AM PM
A	4-05	15.2	4.2	9.1	AM PM
A	4-06	16.1	4.1	9.6	AM PM
A	4-07	15.7	4.6	9.7	AM PM
A	4-08	15.7	4.3	9.8	AM PM
A	4-09	10.0	4.1	7.3	AM PM
	4-10	7.5	2.2	4.6	AM PM
	4-11	6.2	.8	3.4	AM PM
A	4-12	9.7	.7	5.5	AM PM
A	4-13	12.5	2.5	7.4	AM PM
A	4-14	15.1	4.2	9.5	AM PM
A	4-15	14.9	5.3	9.9	AM PM
A	4-16	14.6	4.8	10.0	AM PM
A	4-17	14.3	6.3	10.5	AM PM
A	4-18	14.0	7.1	10.6	AM PM
A	4-19	12.6	7.0	9.5	AM PM
A	4-20	13.3	4.8	9.1	AM PM
A	4-21	17.3	5.7	~~11.5~~ 8.2	AM PM
A	4-22	~~16.6~~ DELETE.		~~14.7~~	
A	4-23	19.0	11.6	~~14.4~~ 13.1	AM PM
A	4-24	13.6	7.8	10.6	AM PM

II A-324

UNITED STATES DEP
PRI

09306061
PICEANCE CREEK AB HUNTER C, CA
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR

S	DATE	MAX	MIN	MEAN	
A	4-25	13.2	7.5	10.3	A1 P1
A	4-26	14.1	4.8	9.4	A1 P1
A	4-27	14.3	5.0	9.7	A1 P1
A	4-28	13.5	7.2	10.4	A1 P1
A	4-29	13.8	5.2	9.2	A1 P1
A	4-30	13.2	6.0	9.8	A1 P1
A	5-01	10.7	8.2	9.1*	A1 P1
PERIOD		19.0	.7		

NOTE.- SYMBOLS USED ABOVE HAVE THE FOL
A - SUCCESSIVE RECORDED PUNCH
R - ONE OR MORE INPUT VALUE I
* - DAILY SUMMARY IS FOR AN I
% - UNIT VALUES RECORD WRITTE

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
09306061 DATA PROCESSED
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	5-31	16.1	8.2	11.2	AM				
					PM	11.8	13.1	14.5	15.3
A	6-01	16.1	5.5	11.2	AM	10.5	9.7	9.1	8.4
					PM	11.6	13.1	14.4	15.4
A	6-02	17.1	7.1	12.1	AM	11.4	10.6	9.9	9.1
					PM	12.6	13.8	15.2	16.3
A	6-03	16.6	7.9	12.5	AM	12.2	11.4	10.7	9.9
					PM	12.7	14.2	15.2	16.6
A	6-04	18.6	9.1	13.7	AM	12.7	12.2	11.3	10.6
					PM	14.5	16.1	16.8	18.1
A	6-05	18.6	8.9	13.8	AM	12.9	12.1	11.3	10.6
					PM	14.5	15.9	16.8	17.8
A	6-06	16.5	9.8	13.2	AM	13.8	13.0	12.3	11.6
					PM	14.6	15.6	16.1	16.5
A	6-07	14.3	9.9	12.0	AM	12.4	11.9	11.5	11.1
					PM	13.3	13.6	14.3	13.9
	6-08	10.6	8.4	9.5	AM	10.4	10.2	9.9	9.6
					PM	9.0	9.6	10.2	10.3
A	6-09	15.2	6.9	10.7	AM	8.3	8.1	7.9	7.6
					PM	11.6	13.1	14.2	14.9
A	6-10	17.5	7.2	12.3	AM	10.1	9.5	9.1	8.6
					PM	14.1	15.5	16.8	17.5
A	6-11	19.5	8.6	13.8	AM	11.9	11.2	10.6	10.0
					PM	15.5	17.1	18.1	19.1
A	6-12	20.1	9.4	14.6	AM	12.8	12.3	11.4	10.9
					PM	16.6	18.0	19.6	20.1
A	6-13	20.0	10.2	14.9	AM	13.2	12.4	11.8	11.3
					PM	16.5	17.6	18.8	19.8
A	6-14	19.0	10.7	14.7	AM	13.8	13.1	12.5	11.9
					PM	16.3	17.1	18.1	18.8
A	6-15	18.8	10.6	14.2	AM	13.4	12.8	12.3	11.8
					PM	15.3	16.8	18.1	18.8
A	6-16	19.4	8.8	13.8	AM	12.0	11.3	10.8	10.2
					PM	16.6	18.1	18.8	19.4
A	6-17	18.3	8.5	13.1	AM	11.3	10.6	10.0	9.6
					PM	16.1	17.3	18.1	18.3
A	6-18	15.6	9.6	12.2	AM	11.3	10.8	10.5	10.2
					PM	14.3	15.6	15.3	15.6
~~A~~	6-19	14.0	8.6		AM	10.2	10.2	9.8	9.6
					PM	9.8	11.6- 12.4		12.6
A	6-20	19.1	7.6	12.8	AM	10.3	9.5	9.2	8.6
					PM	14.9	16.0	17.3	18.1
A	6-21	19.6	4.6	14.		11.4	10.7	10.2	9.5
						15.6	16.5	17.1	18.6

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT

09306061 DATA PROCESSED
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER P

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979 V

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	6-24	20.3	9.5	15.5*	AM				
					PM	16.3	18.0	19.4	20.3
A	6-25	20.1	9.8	14.0	AM	12.8	12.0	11.6	10.9
					PM	15.3	18.0-	-19.1	20.1
A	6-26	19.8	9.6	14.1	AM	11.3	10.9	10.7	10.2
					PM	16.8	18.6	19.4	19.8
A	6-27	18.3	10.0	13.8	AM	12.2	11.6	11.1	10.8
					PM	17.8	17.6	17.5	17.3
A	6-28	18.6	9.2	13.4	AM	10.8	10.5	10.1	9.7
					PM	18.6	18.5	17.1	16.5
A	6-29	20.8	9.4	14.2	AM	11.3	10.7	10.3	10.0
					PM	19.1	20.3	20.6	20.8
A	6-30	19.1	10.6	13.8	AM	11.0	10.8	10.8	10.7
					PM	15.8	16.1	18.0	19.0
A	7-01	19.8	11.3	14.4	AM	12.3	12.2	11.8	11.7
					PM	19.1	19.8	18.3	16.6
A	7-02	19.1	10.7	14.1	AM	11.9	11.0	11.6	11.3
					PM	18.0	18.8	19.1	18.3
A	7-03	16.5	10.2	12.4*	AM	11.3	11.0	10.8	10.6
					PM	16.0	16.5-	EM 16.5	
PERIOD		20.8	9.2						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
	7-03	15.2	11.6	12.8	AM				
					PM				15.2
A	7-04	16.6	10.0	13.2	AM	11.2	10.9	10.7	10.4
					PM	14.9	15.8	16.1	16.6
A	7-05	19.5	9.6	13.9	AM	11.3	10.7	10.5	10.3
					PM	17.5	18.6	19.5	19.5
A	7-06	16.3	9.6	12.4	AM	10.7	10.3	10.0	9.8
					PM	15.2	15.7	14.5	14.8
A	7-07	22.1	8.9	14.5	AM	10.9	10.6	10.2	9.7
					PM	17.5	19.6	21.1	22.1
A	7-08	20.1	9.7	14.3	AM	11.8	11.2	10.7	10.3
					PM	17.3	18.3	19.6	19.9
A	7-09	21.1	9.1	14.3	AM	11.5	10.8	10.3	10.0
					PM	17.3	19.5	21.1	20.8
AR	7-10	21.5	9.5		AM	11.7	11.1	10.5	10.1
					PM	14.2	15.3	16.5	17.6
	PERIOD	22.1	8.9						

m 16.5
A 16.4

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% - UNIT VALUES RECORD WRITTEN

II A-326

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER PA

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979 VA

S	DATE	MAX	MIN	MEAN		1	2	3	4	
A	7-11	22.6	9.0	14.7	AM	10.5	10.3	9.9	9.8	
					PM	19.6	20.9	22.3	22.5	2
A	7-12	23.1	9.3	15.2	AM	11.5	10.9	10.5	10.3	
					PM	20.1	21.6	22.6	23.1	2
A	7-13	22.1	9.8	15.3	AM	11.8	11.2	10.7	10.5	1
					PM	20.0	21.3	22.1	22.1	2
A	7-14	21.9	9.7	14.9	AM	12.1	11.5	11.2	10.7	1
					PM	19.9	20.9	21.9	21.4	2
A	7-15	20.1	10.5	14.8	AM	11.5	11.3	10.9	10.6	1
					PM	18.8	17.3	18.8	18.8	1
A	7-16	22.0	10.5	15.3	AM	11.9	11.6	11.3	10.8	1
					PM	20.9	22.0	21.8	19.8	1
A	7-17	16.3	10.5	11.9*	AM	11.9	11.5	11.4	11.0	1
					PM					
PERIOD		23.1	9.0						RECORDER	C

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE SF
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSIC
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	9-18	17.3	~~12.0~~ 7.5	~~14.6*~~ 12	AM				
					PM	13.5	15.2	16.3	17.1
A	9-19	16.8	8.3	11.0*	AM	11.4	10.8	10.3	9.8
					PM	14.5	15.6	16.8	
PERIOD		17.3	8.3						

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLO
PRIMARY COMPUTATIONS OF QUALITY OF
DATA PROCES

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1979

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	9-21	16.1	11.8	14.4*	AM				
					PM	14.6	15.4	16.1	16.0
A	9-22	16.6	8.5	12.3	AM	11.2	10.7	10.3	9.9
					PM	14.7	15.4	16.0	16.6
A	9-23	~~27.7~~ pump out of water	~~9.2~~ plugged	~~16.6~~	AM	10.5	10.2	9.6	9.2
					PM	~~17.3~~	~~20.4~~	~~22.6~~	~~24.3~~
A	9-24	~~19.1~~	~~11.0~~	~~14.9~~	AM	~~19.1~~	~~17.5~~	~~15.6~~	~~14.6~~
					PM	14.9	15.8	16.8	16.3
A	9-25	15.4	8.8	12.1	AM	11.6	11.1	10.7	10.2
					PM	12.9	13.6	14.3	15.3
A	9-26	17.0	9.8	12.7	AM	11.3	10.8	10.4	10.1
					PM	14.8	16.0	16.8	17.0
A	9-27	17.6	8.8	12.9	AM	11.5	11.3	10.7	10.1
					PM	15.6	16.6	17.5	17.6
A	9-28	16.8	7.9	12.1	AM	10.7	10.3	9.6	9.1
					PM	14.6	15.9	16.6	16.8
A	9-29	17.1	7.6	12.0	AM	10.2	9.6	9.2	8.7
					PM	14.3	15.6	16.6	17.1
A	9-30	16.6	7.5	11.7	AM	10.2	9.6	9.1	8.6
					PM	13.8	15.2	16.3	16.6
PERIOD		27.7	7.5						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN TI
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGIC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
09306061 DATA PROCESSED
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER F

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

V

S	DATE	MAX	MIN	MEAN		1	2	3	4
A	10-01	16.5	7.9	10.5*	AM	10.3	9.8	9.3	9.2
					PM	13.9	15.4	16.5	
	PERIOD	16.5	7.9						

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% - UNIT VALUES RECORD WRITTEN

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICA
PRIMARY COMPUTATIONS OF QUALITY OF WATE
DATA PROCESSED

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4
	10-01	16.6	10.8	11.6	AM				
					PM				
A	10-02	15.7	8.1	11.6	AM	10.2	9.8	9.6	9.3
					PM	13.9	14.9	15.3	15.7
A	10-03	15.2	7.6	11.1	AM	10.5	10.2	9.5	9.0
					PM	12.8	13.9	14.8	15.2
A	10-04	15.2	6.3	10.5	AM	9.3	8.5	8.0	7.6
					PM	11.8	13.2	14.3	14.8
A	10-05	15.3	6.9	10.9	AM	9.7	9.1	8.6	8.2
					PM	12.3	13.6	14.6	15.2
A	10-06	15.5	7.0	10.9	AM	9.7	9.1	8.6	8.2
					PM	12.3	13.7	14.8	15.4
A	10-07	15.5	7.4		AM	10.0	9.5	9.3	8.7
					PM			15.0	15.6
A	10-08	15.2	7.4	11.0	AM	9.9	9.3	8.9	8.5
					PM	12.5	13.8	14.8	15.2
A	10-09	14.2	7.2	10.5	AM	10.2	9.5	9.1	8.7
					PM	11.4	12.6	13.5	14.0
A	10-10	14.3	6.6	10.3	AM	9.2	8.7	8.3	7.8
					PM	11.5	12.8	13.8	14.3
A	10-11	14.3	7.2	10.5	AM	9.4	9.0	8.5	8.2
					PM	11.7	13.2	13.5	14.2
A	10-12	13.8	7.0	10.3	AM	9.5	9.2	8.6	8.2
					PM	10.8	12.5	13.3	13.6
A	10-13	13.9	6.8	10.4	AM	9.4	9.0	8.7	8.3
					PM	11.5	12.8	13.6	13.9
	10-14	11.4	8.2	9.8	AM	9.8	9.4	9.2	8.7
					PM	10.1	10.6	11.0	11.3
A	10-15	14.1	7.6	10.7	AM	9.6	9.3	8.8	8.5
					PM	12.2	12.8	13.6	13.8
	10-16	13.6	8.7	10.9	AM	10.5	10.2	10.0	9.9
					PM	12.2	12.9	13.4	13.6
A	10-17	12.6	6.5	9.6	AM	8.8	8.5	8.2	7.6
					PM	10.9	11.5	12.3	12.6
A	10-18	13.3	3.5	10.8	AM	10.2	9.8	9.7	9.6
					PM	11.3	12.3	12.9	13.3
A	10-19	13.2	9.4	11.0	AM	10.2	10.2	9.8	9.8
					PM	12.0	12.3	13.2	13.2
A	10-20	10.1	5.5	8.0	AM	10.1	9.7	9.5	9.6
					PM	9.3	9.3	8.3	7.5
	10-21	9.2	5.9	7.1	AM	5.9	6.2	6.2	6.3
					PM	7.7	8.3	8.9	9.2
A	10-22	10.6	4.2	6.7	AM	5.6	5.2	4.9	4.7
						7.6	9.1	10.3	10.6
A	10-23	11.2	4.5	7.7		6.0	5.7	5.4	5.1

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLO-IC
PRIMARY COMPUTATIONS OF QUALITY OF WAT
DATA PROCESSED

09306061
PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO.
TEMPERATURE (DEG. C) OF WATER

PROVISIONAL DATA FOR WATER YEAR ENDING SEPT. 30, 1980

S	DATE	MAX	MIN	MEAN		1	2	3	4
					PM	9.4	10.5	11.2	11.1
A	10-24	9.1	4.9	6.4*	AM	7.5	7.2	6.5	6.2
					PM	7.9	9.1 @1400 8.5		
PERIOD			4.2						

NOTE.- SYMBOLS USED ABOVE HAVE THE FOLLOWING MEANINGS
A - SUCCESSIVE RECORDED PUNCH READINGS DIFFER BY MORE THAN THE S
R - ONE OR MORE INPUT VALUE IS OUTSIDE THE RANGE OF THE CONVERSI
* - DAILY SUMMARY IS FOR AN INCOMPLETE DAY
% - UNIT VALUES RECORD WRITTEN

Coding Form for Input and Date of Daily Values--Continued

Par Code 00010 temp

Station identification number 09306061 Piceance Cr. at Hunter Cr.

Water year 1980

Stat Code 00001 MX C

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3		6.5					3							3
	4		7.0					4							4
	5		7.5					5							5
	6		7.5					6							6
	7	15.5	7.0					7							7
	8		6.5					8							8
Card No. 02	9		6.5					9							9
	10		6.0					10							10
	11		5.5					11							11
	12		5.5					12							12
	13		2.5					13							13
	14							14							14
	15							15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24	10.0						24							24
Card No. 04	25	11.0						25							25
	26	10.5						26							26
	27	10.0						27							27
	28	8.5						28							28
	29	6.0						29							29
	30	6.5				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type	Water year	Total value (sum of daily value entries)
T		
1	17 20	21 32

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks Water Temperature Max

GPO : 1971 O - 477

Par Code 00010 temp

II A-334

Par Code [illegible] temp

Stat Code C 02 MIN

C

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306061 Piceance Cr. at Hunter Cr.

Water year 1980

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3		1.5					3							3
	4		2.5					4							4
	5		2.0					5							5
	6		2.0					6							6
	7		4.5					7							7
	8		4.0					8							8
Card No. 02	9		3.5					9							9
	10		2.0					10							10
	11		2.5					11							11
	12		0.5					12							12
	13		0.5					13							13
	14							14							14
	15							15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24							24							24
Card No. 04	25	4.0						25							25
	26	5.0						26							26
	27	4.0						27							27
	28	2.5						28							28
	29	3.0						29							29
	30	1.5				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type	Water year	Total value (sum of daily value entries)
T		
1	17 20	21 32

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks Water temperature minimum

GPO : 1971 O - 442-477

Coding Form for Input an[illegible] [illegible]ate of Daily Values--Continued

Par Code 02010 _T Temp

Stat Code [illegible] Mean C

Station identification number 09306061 Piceance Cr. at Hunter Cr.

Water year 1980

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3		3.5					3							3
	4		4.5					4							4
	5		4.5					5							5
	6		4.5					6							6
	7		5.5					7							7
	8		5.0					8							8
Card No. 02	9		5.0					9							9
	10		4.5					10							10
	11		3.5					11							11
	12		3.0					12							12
	13		1.5					13							13
	14							14							14
	15							15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24							24							24
Card No. 04	25	7.5						25							25
	26	7.5						26							26
	27	7.0						27							27
	28	5.5						28							28
	29	3.5						29							29
	30	3.5				-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type: T (1)

Water year: 17 20

Total value (sum of daily value entries): 21 32

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks Water Temperature means

GPO : 1971 [illegible]42-477

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306061 - PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO, DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	TEMPERATURE (DEG C)	AGENCY ANALYZING SAMPLE (CODE NUMBER)	WEATHER (WMO CODE NUMBER)	SURFACE AREA (SQ MI)	STREAMFLOW, INSTANTANEOUS (CFS)	TURBIDITY (NTU)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PH (UNITS)
OCT 25...	1100	8.0	80020	1	309	--	2.1	7	1630	6.8	--	8.1
NOV 14...	1300	3.0	80020	1	309	18	--	10	1320	9.6	--	8.5
DEC 05...	1415	2.0	80020	1	309	--	--	--	950	10.4	12	7.9
JAN 18...	1400	4.5	80020	1	309	--	--	7	1200	10.2	--	7.8
FEB 21...	1430	5.0	80020	1	309	--	--	8	1250	9.8	--	8.5
APR 03...	1420	10.0	80020	1	309	--	--	5	1300	9.9	--	8.2
18...	1130	9.5	80020	1	309	--	--	45	700	8.6	100	7.4
JUN 19...	1445	12.5	80020	--	309	--	--	10	1300	8.2	--	8.2

09306061 - PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	ALKA-LINITY (MG/L AS CACO3)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
OCT												
25...	8.5	550	670	0	--	.77	--	.62	.74	.02	.04	.01
NOV												
14...	--	--	--	0	--	.94	--	.51	.45	.01	.05	.01
DEC												
05...	--	--	--	--	0	--	--	--	--	--	--	--
JAN												
18...	14	450	550	0	--	1.2	1.3	.65	.66	.04	.06	.02
FEB												
21...	2.8	450	450	48	--	.86	.78	.41	.27	.08	.05	.02
APR												
03...	4.9	400	490	0	--	.62	.45	.35	.23	.00	.02	.02
18...	19	250	300	0	1	4.4	1.2	3.6	.43	.09	.09	.08
JUN												
19...	6.4	520	630	0	--	.79	.60	.52	.31	.03	.03	.02

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306061 - PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
OCT												
25...	.10	.76	--	.66	.11	.16	.18	.09	.06	.03	5.1	.6
NOV												
14...	.37	.46	--	.56	.38	.42	.12	.06	.04	.02	6.1	1.0
DEC												
05...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
18...	.50	.70	--	.71	.52	.55	.31	.00	.10	.00	5.2	1.0
FEB												
21...	.38	.35	--	.46	.40	.43	.28	.09	.09	.03	4.8	.9
APR												
03...	.23	.23	--	.37	.25	.22	.09	.00	.03	.00	3.9	.5
18...	.61	.52	3.2	3.7	.69	.66	2.3	.06	.75	.02	6.9	7.4
JUN												
19...	.22	.34	.21	.55	.24	.26	.06	.03	.02	.01	--	.5

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306061 - PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CYANIDE TOTAL (MG/L AS CN)	SULFIDE TOTAL (MG/L AS S)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM AD-SORP-TION RATIO	SODIUM PERCENT	SODIUM+ POTAS-SIUM DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT												
25...	--	--	520	0	75	81	200	3.8	45	--	3.7	18
NOV												
14...	--	--	470	--	84	62	--	3.0	41	--	3.4	15
DEC												
05...	.00	.0	--	--	--	--	--	--	--	--	3.4	--
JAN												
18...	--	--	430	0	73	60	130	2.7	40	--	3.0	15
FEB												
21...	--	--	490	37	91	63	140	2.8	38	--	2.8	15
APR												
03...	--	--	430	27	73	60	130	2.7	40	--	3.0	16
18...	.00	.0	250	7	50	31	77	2.1	40	--	2.8	8.6
JUN												
19...	--	--	500	0	83	70	170	3.3	43	170	3.2	13

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306061 - PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BORON, DIS- SOLVED (UG/L AS B)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)
OCT												
25...	370	.8	18	3	--	--	--	--	240	--	--	--
NOV												
14...	270	.6	17	2	--	--	--	--	230	--	--	--
DEC												
05...	--	--	--	--	70	--	--	--	--	<1	0	--
JAN												
18...	260	.7	17	2	--	--	--	--	180	--	--	--
FEB												
21...	290	.7	15	2	--	--	--	--	160	--	--	--
APR												
03...	270	.7	15	1	--	--	--	--	170	--	--	--
18...	140	.5	11	2	0	0	10	10	130	0	0	0
JUN												
19...	280	.7	16	5	--	--	--	--	220	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306061 - PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	MOLYB-DENUM, SUS-PENDED RECOV. (UG/L AS MO)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)
OCT												
25...	--	--	--	20	--	230	--	--	--	--	--	--
NOV												
14...	--	--	--	40	--	90	--	--	--	--	--	--
DEC												
05...	--	--	5	--	6	--	6	--	--	--	--	--
JAN												
18...	--	--	--	10	--	40	--	--	--	--	--	--
FEB												
21...	--	--	--	20	--	0	--	--	--	--	--	--
APR												
03...	--	--	--	20	--	60	--	--	--	--	--	--
18...	14	14	2	30	0	20	4	0	4	0	43	43
JUN												
19...	--	--	--	60	--	50	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306061 - PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO, DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	ZINC, DIS-SOLVED (UG/L AS ZN)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ALUM-INUM, SUS-PENDED RECOV. (UG/L AS AL)	LITHIUM DIS-SOLVED (UG/L AS LI)	LITHIUM SUS-PENDED RECOV-ERABLE (UG/L AS LI)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ODOR, ATMOS-PHERIC (SEVER-ITY)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)
OCT												
25...	--	--	--	--	--	--	--	--	--	--	0	--
NOV												
14...	--	--	--	--	--	--	--	--	--	--	0	--
DEC												
05...	--	1900	10	--	20	--	10	--	--	1	0	3.4
JAN												
18...	--	--	--	--	--	--	--	--	--	--	0	--
FEB												
21...	--	--	--	--	--	--	--	--	--	--	0	--
APR												
03...	--	--	--	--	--	--	--	--	--	--	0	--
18...	0	910	10	190	50	140	4	90	90	1	0	--
JUN												
19...	--	--	--	--	--	--	--	--	--	--	1	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306061 - PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, (COLS. PER 100 ML)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)
OCT												
25...	--	--	--	--	--	--	.10	1100	--	1.50	.05	--
NOV												
14...	--	--	--	--	--	--	.10	--	43	1.18	.01	--
DEC												
05...	2.5	.08	K10	K10	1200	1	--	--	--	--	--	--
JAN												
18...	--	--	--	--	--	--	.00	833	--	1.13	.03	--
FEB												
21...	--	--	--	--	--	--	.00	890	--	1.21	.03	--
APR												
03...	--	--	--	--	--	--	.00	811	--	1.10	.02	--
18...	--	--	6600	5000	1100	0	.00	473	--	.64	.11	.11
JUN												
19...	--	--	--	--	--	--	.00	948	--	1.29	.02	.04

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306061 - PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	BROMIDE DISSOLVED (MG/L AS BR)	PHOSPHORUS TOTAL (MG/L AS PO4)	NITROGEN, TOTAL (MG/L AS NO3)	MERCURY DISSOLVED (UG/L AS HG)	ELEV. OF LAND SURFACE DATUM (FT. NGVD)	URANIUM DISSOLVED, EXTRACTION (UG/L)	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)
OCT 25...	.03	--	--	3.4	--	6214.00	--	--	--	--	--
NOV 14...	.01	--	--	4.2	--	6214.00	--	--	--	--	--
DEC 05...	--	.2	--	--	.0	6214.00	3.7	<6.0	2.9	3.1	2.3
JAN 18...	.05	--	--	5.4	--	6214.00	--	--	--	--	--
FEB 21...	.10	--	--	3.8	--	6214.00	--	--	--	--	--
APR 03...	.00	--	--	2.7	--	6214.00	--	--	--	--	--
18...	.12	.1	2.3	19	.0	6214.00	--	--	--	--	--
JUN 19...	.04	--	.06	3.5	--	6214.00	--	--	--	--	--

30221-0-A22-4

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 10/15/79
09306061 - PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	TEMPER-ATURE (DEG C)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	SURFACE AREA (SQ MI)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	OXYGEN, DIS-SOLVED (MG/L)	PH (UNITS)	GROSS ALPHA, DIS-SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)
JUL 17...	1110	17.5	80020	309	1500	10.1	7.8	<11	<.3

DATE	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	ELEV. OF LAND SURFACE DATUM (FT. NGVD)	URANIUM DIS-SOLVED, EXTRAC-TION (UG/L)	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)
JUL 17...	<5.7	<.4	.09	6214.00	4.2	<16	<.4	<5.3	<.4

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306222 - PICEANCE CREEK AT WHITE RIVER, CO.

PROCESS DATE 10/15/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	TEMPERATURE (DEG C)	AGENCY ANALYZING SAMPLE (CODE NUMBER)	SURFACE AREA (SQ MI)	SPECIFIC CONDUCTANCE (MICROMHOS)	OXYGEN, DISSOLVED (MG/L)	PH (UNITS)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	ALKALINITY (MG/L AS CACO3)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	NITROGEN, TOTAL (MG/L AS N)
JUL 16...	1345	21.5	80020	629	3000	7.5	8.6	5.7	1160	1320	47	.92

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	HARDNESS (MG/L AS CACO3)
JUL 16...	.84	.06	.02	.00	.90	.02	.01	.15	.15	.07	.05	580

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM ADSORPTION RATIO	SODIUM PERCENT	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)
JUL 16...	0	49	110	570	10	68	570	4.9	67	600	1.4

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	STRONTIUM, DISSOLVED (UG/L AS SR)	ZINC, DISSOLVED (UG/L AS ZN)
JUL 16...	12	4	100	460	1	2	10	0	10	2400	10

DATE	LITHIUM DISSOLVED (UG/L AS LI)	SELENIUM, DISSOLVED (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	PHOSPHORUS TOTAL (MG/L AS PO4)	NITROGEN, TOTAL (MG/L AS N03)	MERCURY DISSOLVED (UG/L AS HG)	ELEV. OF LAND SURFACE DATUM (FT. NGVD)
JUL 16...	30	0	.10	2120	2.88	.05	.07	.21	4.1	.0	5730.00

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MINOR GAUGING
STATIONS

USGS WATER GAUGING STATION 09304800
White River Below Meeker

A. DAILY TABLES

1. Discharge (Flow)

B. WATER QUALITY DATA
COLLECTION DATE 5/22/79

Daily Gage Height, in Feet, and Discharge, in Second-Feet, of WHITE River/Creek

At BELOW MEEKER for the Year Ending September 30, 1979

Drainage Area ..... Square Miles. Water-Stage Recorder ..... Datum .....

Min. Disch. ..... See-ft. on ..... Min. G. H. ..... Max. G. H. ..... Max. Disch. .....

a - no stat. record b - no a. feet of p. 1 - shadded p. 4 - max. disch.
shift p - partial record

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

WHITE RIVER BELOW MEEKER, COLORADO

File Number { Washington ..... District 09304800

Used rating table dated #3

Gage Read to ..... Once/Twice a Day by .....

Gage heights used to half tenths between ..... and ..... feet; hundredths below and tenths above these limits.

Day	October Gage height	October Discharge	November Gage height	November Discharge	December Gage height	December Discharge	January Gage height	January Discharge	February Gage height	February Discharge	March Gage height	March Discharge
1	1.07	420	1.07	395	b	400	a	405	a	335	a	340
2	1.06	410	1.06	390		400		400		335		340
3	1.05	405	1.06	385		400		400		335		340
4	1.04	400	1.06	385		420		390		335		340
5	1.04	400	1.05	380	b	420		390		335		340
6	1.04	400	1.06	385	a	420		380		335		350
7	1.06	410	1.04	375		420		380		335		350
8	1.05	400	1.06	385		420		370		335		350
9	1.05	400	1.06	385		420		370		335		350
10	1.05	400	1.04	375		435		360		335		350
11	1.04	395	1.07	390		435		360		335		360
12	1.04	395	1.17	442		435		350	a	335		360
13	1.04	395	1.14	425		435		350		335		360
14	1.04	395	1.09	400		435		340		335		360
15	1.05	395	1.06	385		447	a	337		335		360
16	1.06	400	b	385		447		335		335		370
17	1.06	400		385		447		335		335		370
18	1.07	405		385		447		335		335		370
19	1.06	400		385		447		335		335	a	370
20	1.05	395		385		445		335		335		370
21	1.08	405		385		440		335		335		370
22	1.14	436		385		435		335		335		380
23	1.18	460		385		430		335		335		380
24	1.12	425		385		425		335		335		380
25	1.11	420		400		420		335		335		380
26	1.10	415		400		420		335		335		390
27	1.08	405		400		415		335		335		390
28	1.08	400		400		415		335	a	335		390
29	1.07	395		400		410		335	X	335		400
30	1.07	395	b	400		410		335				400
31	1.07	395	X	X	a	405	a	335			a	400
Total		12571		11747						9,380		
Mean										335		

PRELIMINARY DATA SUBJECT TO REVISION

Day	April Discharge	May Gage height	May Discharge	June Gage height	June Discharge	July Gage height	July Discharge	August Gage height	August Discharge	September Gage height	September Discharge
1	410	1.62	746	3.29	2550	2.90	1960	1.24	454		
2	410	1.69	795	3.14	2320	2.91	1980	1.23	498		
3	420	1.80	878	3.15	2340	2.81	1830	1.15	405		
4	466	1.66	774	3.18	2380	2.64	1620	1.13	395		
5	466	1.61	732	3.23	2460	2.50	1460	1.15	405		
6	514	1.74	753	3.34	2630	2.39	1350	1.15	405		
7	557	1.82	878	3.53	2950	2.32	1280	1.13	395		
8	532	1.81	870	3.47	2850	2.23	1200	1.15	405		
9	514	1.76	830	3.16	2350	2.13	1110	1.21	436		
10	532	1.71	795	2.83	1860	2.02	1010				
11	508	1.61	718	2.74	1740	1.95	950				
12	478	1.56	683	2.83	1860	1.88	894				
13	460	1.57	690	3.10	2260	1.80	830				
14	472	1.65	739	3.44	2800	1.71	767				
15	544	1.81	854	3.66	3180	1.66	732				
16	571	1.98	990	3.72	3290	1.64	718				
17	620	2.12	1120	3.56	3000	1.65	725				
18	676	2.34	1310	3.51	2920	1.58	676				
19	718	2.72	1730	3.24	2470	1.60	690				
20	634	2.93	2020	2.91	1980	1.53	641				
21	606	3.14	2340	2.74	1740	1.51	627				
22	613	3.26	2510	2.83	1860	1.52	634				
23	676	3.31	2590	2.92	1990	1.50	620				
24	739	3.49	2880	2.98	2080	1.49	613				
25	739	3.63	3120	3.03	2160	1.43	571				
26	690	3.70	3250	3.02	2140	1.38	538				
27	655	3.81	3450	3.07	2220	1.32	502				
28	697	3.94	3700	3.07	2220	1.38	538				
29	704	4.04	3890	2.96	2050	1.33	508				
30	704	3.89	3600	2.90	1960	1.29	484				
31		3.62	3110			1.26	466				

PRELIMINARY DATA SUBJECT TO REVISION

Period / Year

Quarter: First, Second, Third, Fourth — G. H. copied ..... G. H. checked ..... Date .....

Quarter: First, Second, Third, Fourth — Disch. applied ..... Disch. checked ..... Date .....

Quarter: First, Second, Third, Fourth — Computed ..... Checked ..... Date .....

II A-350

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CENTRAL LABORATORY, DENVER, COLORADO

WATER QUALITY ANALYSIS
LAB ID # 145018 RECORD # 50639

SAMPLE LOCATION: WHITE RIVER BELOW MEEKER, CO.
STATION ID: 09304800 LAT.LONG.SEQ.: 400048 1080533 00
DATE OF COLLECTION: BEGIN--790522 END-- TIME--1500
STATE CODE: 08 COUNTY CODE: 103 PROJECT IDENTIFICATION: 460800300
DATA TYPE: 2 SOURCE: SURFACE WATER GEOLOGIC UNIT:
COMMENTS:
WHITE BELOW MEEKER; RVG; 100ML DOC

ALK.TOT (AS CACO3)	MG/L	82	NITROGEN, NH4, TOTAL	MG/L	0.04
ANALYZING AGENCY		30020	NO2 + NO3 AS N TOT	MG/L	0.26
BICARBONATE	MG/L	100	OXYGEN DISSOLVED	MG/L	8.5
BORON DISSOLVED	UG/L	30	PH FIELD		8.1
CALCIUM DISS	MG/L	35	PH LAB		7.8
CARBON DIOXIDE	MG/L	1.3	PHOS ORTHO T AS PO4	MG/L	0.37
CARBON DIS ORGANIC	MG/L	4.9	PHOSPHORUS TOT AS P	MG/L	0.12
CARBON TOT ORGANIC	MG/L	12	PHOSPHORUS TOT PO4	MG/L	0.37
CARBONATE	MG/L	0	POTASSIUM DISS	MG/L	1.4
CHLORIDE DISS	MG/L	6.2	POTASSIUM 40,D.PCI/L		1.0
FLUORIDE DISS	MG/L	0.1	RESIDUE DIS CALC SUM	MG/L	157
HARDNESS NONCARB	MG/L	41	RESIDUE DIS TON/AFT		0.21
HARDNESS TOTAL	MG/L	120	SAR		0.3
IRON DISSOLVED	UG/L	60	SILICA DISSOLVED	MG/L	9.8
MAGNESIUM DISS	MG/L	8.7	SODIUM + POTASSIUM	MG/L	8.5
NITROGEN NH4 ASN TOT	MG/L	0.03	SODIUM DISS	MG/L	7.1
NITROGEN TOT AS N	MG/L	0.92	SODIUM PERCENT		11
NITROGEN TOT AS NO3	MG/L	4.1	SP. CONDUCTANCE FLD		280
NITROGEN TOT ORG N	MG/L	0.63	SP. CONDUCTANCE LAB		268
NITROGEN TOTKJD AS N	MG/L	0.66	SULFATE DISS	MG/L	39
			WATER TEMP (DEG C)		10.5

CATIONS	(MG/L)	(MEQ/L)	ANIONS	(MG/L)	(MEQ/L
CALCIUM DISS	35	1.747	BICARBONATE	100	1.63
MAGNESIUM DISS	8.7	0.716	CARBONATE	0	0.00
POTASSIUM DISS	1.4	0.036	CHLORIDE DISS	6.2	0.17
SODIUM DISS	7.1	0.309	FLUORIDE DISS	0.1	0.00
			SULFATE DISS	39	0.81
TOTAL		2.807	TOTAL		2.63

PERCENT DIFFERENCE = 3.23

PRELIMINARY DATA SUBJECT TO REVISION

USGS WATER GAUGING STATION 09306015
Middle Fork Stewart Gulch Near Rio Blanco

A. DAILY TABLES

1. Discharge (Flow)

MIDDLE FORK STEWART, GULCH
NR RIO BLANCO, COLO.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

Daily Gage Height, in Feet, and Discharge, in Second-Feet, of MIDDLE FORK STEWART GULCH River/Creek

Near RIO BLANCO, COLORADO for the Year Ending September 30, 1979

File Number { Washington 09306015 / District

Used rating table dated NO 1

Drainage Area ..... Square Miles. Water-Stage Recorder CONTINOUS Ratio 1 : 6

Gage Read to ..... Once/Twice a Day by .....

Gage heights used to half tenths between ..... and ..... feet; hundredths below and tenths above these limits.

Main. Disch. ..... See.-ft. on ..... (G. H. ..... ft.) Main. G. H. ..... ft. on .....

Day	October Gage height	October Discharge	November Gage height	November Discharge	December Gage height	December Discharge	January Gage height	January Discharge	February Gage height	February Discharge	March Gage height	March Discharge
1		NO FLOW		NO FLOW						NO FLOW		NO FLOW
2												
3												
4												
5												
6			*									
7												
8												
9												
10												
11												
12												
13												
14												
15	*											
16												
17						NO FLOW		NO FLOW				
18												
19											*	
20												NO DATA
21												
22							*					
23												
24												
25												
26												
27												
28												
29			*									
30												
31												
Total		0.0		0.0		0.0		0.0		0.0		0.0

Day	April Gage height	April Discharge	May Gage height	May Discharge	June Gage height	June Discharge	July Gage height	July Discharge	August Gage height	August Discharge	September Gage height	September Discharge
1												
2			*	NO DATA								
3												
4												
5												
6						NO FLOW						
7												
8									*			
9												
10												
11												
12								NO FLOW				
13												
14									*			
15		NO DATA		NO FLOW								
16												
17										NO FLOW		
18							*				*	
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
Total		0.0		0.0		0.0		0.0		0.0		0.0

Day	Quarter	First	Second	Third	Fourth	Quarter	First	Second	Third	Fourth
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Water 1979										0.0

Mean, Second-feet per square mile
Runoff in inches
Runoff in acre-feet
Maximum
Minimum

PRELIMINARY DATA SUBJECT TO REVISION

Computed ..... Checked ..... Date .....

G. H. checked ..... Discharge checked ..... Date .....

Date .....

11-253

DISCHARGE, IN CFS, WATER YEAR 1980, MEAN VALUES, FOR

W F STEWART GL NR RIO BLANCO, CO. 09306015 1930 WY

	Oct.	Nov.
1	0.00	0.00
2	0.00	0.00
3	0.00	0.00
4	0.00	0.00
5	0.00	0.00
6	0.00	0.00
7	0.00	0.00
8	0.00	0.00
9	0.00	0.00
10	0.00	0.00
11	0.00	0.00
12	0.00	0.00
13	0.00	0.00
14	0.00	0.00
15	0.00	0.00
16	0.00	0.00
17	0.00	0.00
18	0.00	0.00
19	0.00	0.00
20	0.00	0.00
21	0.00	0.00
22	0.00	
23	0.00	
24	0.00	
25	0.00	
26	0.00	
27	0.00	
28	0.00	
29	0.00	
30	0.00	
31	0.00	
TOTAL	0.00	0.00

USGS WATER GAUGING STATION 09306025
West Fork Stewart Gulch Near Rio Blanco

A. DAILY TABLES

1. Discharge (Flow)

Daily Gage Height, in Feet, and Discharge, in Second-Feet, of WEST FORK STEWART GULCH

Near RIO BLANCO, COLORADO for the Year Ending September 30, 1979

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

NR RIO BLANCO 1977

File Number { Washington 09306025 / District

Used rating table dated #3

Drainage Area ..... Square Miles. Water-Stage Recorder CONTINUOUS Datum 1 : 6 Gage Read to ..... Once / Twice a Day by ..... Gage heights used to half tenths between ..... and ..... hundredths below and tenths above these limits.

Sec. Loc. ..... Sec. at ..... on ..... See. ft. on ..... G. H. ..... G. H. ..... Mn. G. H. ..... ft. on .....

Min. Disch. .....

E-DISCHARGE SUBDIVIDED, V-VERIFIED SHEET, DISCHARGE ESTIMATED, FOR W.U.-NO GAGE HEIGHT REGRD, D-ICE EFFECT, X-OBSERVATION

Day	October Gage height	October Discharge	November Gage height	November Discharge	December Gage height	December Discharge	January Gage height	January Discharge	February Gage height	February Discharge	March Gage height	March Discharge
1		NO FLOW										
2												
3												
4												
5												
6			*									
7												
8												
9												
10												
11												
12												
13												
14				NO FLOW		NO FLOW		NO FLOW		NO FLOW		NO FLOW
15	*											
16												
17												
18												
19												
20											*	
21												
22												
23							*					
24												
25												
26												
27												
28												
29			*									
30												
31												
Total		0.0		0.0		0.0		0.0		0.0		0.0
Mean, Second feet per square mile												
Run-off in inches												
Run-off in acre-feet												
Maximum												
Minimum												

PRELIMINARY DATA SUBJECT TO REVISION

Day	April Gage height	April Discharge	May Gage height	May Discharge	June Gage height	June Discharge	July Gage height	July Discharge	August Gage height	August Discharge	September Gage height	September Discharge
1				NO DATA								
2												
3												
4												
5						NO FLOW						
6												
7												
8								NO FLOW				
9												
10												
11												
12												
13												
14		NO DATA		NO FLOW						NO FLOW		
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
Total		0.0		0.0		0.0		0.0		0.0		0.0

Quarter	First	Second	Third	Fourth
Gallons				

WATER YEAR 0.0

Computed .....
Checked .....
Date .....

Disch. applied NIP
Disch. checked RMB
Date 10/25/79

II 4-356

DISCHARGE, IN CFS, WATER YEAR 1980, MEAN VALUES, FOR

W F STEWART GL NR RIO BLANCO, CO. 09306025 1980 WY

	Oct.	Nov.
1	0.00	0.00
2	0.00	0.00
3	0.00	0.00
4	0.00	0.00
5	0.00	0.00
6	0.00	0.00
7	0.00	0.00
8	0.00	0.00
9	0.00	0.00
10	0.00	0.00
11	0.00	0.00
12	0.00	0.00
13	0.00	0.00
14	0.00	0.00
15	0.00	0.00
16	0.00	0.00
17	0.00	0.00
18	0.00	0.00
19	0.00	0.00
20	0.00	0.00
21	0.00	0.00
22	0.00	
23	0.00	
24	0.00	
25	0.00	
26	0.00	
27	0.00	
28	0.00	
29	0.00	
30	0.00	
31	0.00	
TOTAL	0.00	0.00

USGS WATER GAUGING STATION 09306028
West Fork Stewart Gulch At Mouth Near Rio Blanco

A. DAILY TABLES

1. Discharge (Flow)

9-193a July 1917

Daily Gage Height, in Feet, and Discharge, in Second-Feet, of W. FR. STEWART GULCH @ MOUTH ~~River~~ ~~Creek~~

~~At~~ Near RIO BLANCO, COLO for the Year Ending September 30, 19

Drainage Area ... Square Miles. Water-Stage Recorder CONTINUOUS Ratio 1 : 6 Gage Read to ... Once/Twice a Day by ...

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

W.FR STEWART GULCH @ MOUTH NR RIO BLANCO

File Number: Washington 09306028; District

Used rating table dated NO 1

Gage heights used to half tenths between and fe hundredths below and tenths above the limits.

Max. Disch. ... Sec.-ft. at ... on ... (G. H. ... ft.). Max. G. H. ... ft. at ... on ...
Min. Disch. ... Sec.-ft. on ... (G. H. ... ft.). Min. G. H. ... ft. on ...
S-DISCHARGE GUESSED VARIABLE SHIFT. DISCHARGE ESTIMATED
[illegible]

Day	October Gage height	October Discharge	November Gage height	November Discharge	December Gage height	December Discharge	January Gage height	January Discharge	February Gage height	February Discharge	March Gage height	March Discharge
1			a CLOCK STOPPED									
2			a									
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14	a	NO FLOW		NO FLOW		NO FLOW		NO FLOW		No Flow		No Flow
15	a											
16												
17												
18							"a" Clock STOPPED					
19												
20											"a" Clock Stopped	
21												
22	a CLOCK STOPPED						"a"					
23												
24												
25												
26												
27												
28											"a"	
29												
30												
31	a											
Total		0.0		0.0		0.0		0.0		0.0		0.0

Day	April Gage height	April Discharge	May Gage height	May Discharge	June Gage height	June Discharge	July Gage height	July Discharge	August Gage height	August Discharge	September Gage height	September Discharge
1												
2												
3												
4												
5						NO FLOW						
6												
7								No Flow				
8												
9												
10												NO FLOW
11												
12												
13												
14		NO FLOW		NO FLOW								
15												
16												
17												
18										NO FLOW		
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
Total		0.0		0.0		0.0		0.0		0		0

Mean
Second-feet per square mile
Runoff in inches
Runoff in acre-feet
Maximum
Minimum

PRELIMINARY DATA SUBJECT TO REVISION

Computed ... Checked ...
Disch. applied ... Disch. checked ...

II A-359

DISCHARGE, IN CFS, WATER YEAR 1980, MEAN VALUES, FOR

W F STEWART GL AT MOUTH 09306028 1980 WY

	Oct.	Nov.
1	0.00	0.00
2	0.00	0.00
3	0.00	0.00
4	0.00	0.00
5	0.00	0.00
6	0.00	0.00
7	0.00	0.00
8	0.00	0.00
9	0.00	0.00
10	0.00	0.00
11	0.00	0.00
12	0.00	0.00
13	0.00	0.00
14	0.00	0.00
15	0.00	0.00
16	0.00	0.00
17	0.00	0.00
18	0.00	0.00
19	0.00	0.00
20	0.00	0.00
21	0.00	0.00
22	0.00	
23	0.00	
24	0.00	
25	0.00	
26	0.00	
27	0.00	
28	0.00	
29	0.00	
30	0.00	
31	0.00	
TOTAL	0.00	0.00

USGS WATER GAUGING STATION 09306033
Sorghum Gulch Near Rio Blanco

A. DAILY TABLES

1. Discharge (Flow)

SORGHUM GULCH NR
RIO BLANCO, COLO.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

Daily Gage Height, in Feet, and Discharge, in Second-Feet, of SORGHUM GULCH ~~River~~ Creek

~~At~~ Near RIO BLANCO, COLORADO for the Year Ending September 30, 1979

File Number { Washington 0930603 / District

Used rating table dated NO 1

Drainage Area ..... Square Miles. Water-Stage Recorder CONTINUOUS Ratio 1 : 6 Gage Read to ..... Once / Twice a Day by ..... Gage heights used to half tenths between ..... and ..... for hundredths below and tenths above these limits.

Day	October Gage height	October Discharge	November Gage height	November Discharge	December Gage height	December Discharge	January Gage height	January Discharge	February Gage height	February Discharge	March Gage height	March Discharge
1				NO FLOW								
2												
3												
4												
5												
6		NO FLOW										
7												
8												
9												
10												
11												
12												
13												
14												
15												
16						NO FLOW		NO FLOW				
17												
18												
19												
20												
21										NO FLOW		NO FLOW
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
Total		0.0		0.0		0.0		0.0		0.0		0.0

Day	April Gage height	April Discharge	May Gage height	May Discharge	June Gage height	June Discharge	July Gage height	July Discharge	August Gage height	August Discharge	September Gage height	September Discharge
1						NO FLOW						
2												
3												
4												
5												
6				NO FLOW								
7												
8												
9												
10								NO FLOW				
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21		NO FLOW										
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
Total		0.0		0.0		0.0		0.0		0.0		

Mean ..... Second-feet per square mile
Runoff in inches
Runoff in acre-feet
Maximum
Minimum

Quarter: First Second Third Fourth
Computed ..... Checked .....
Disch. applied ..... Disch. checked .....
G. H. applied ..... G. H. checked .....

WATER 19

Max. Disch. — ..... Sec.-ft. at ..... on ..... G. H. ..... ft. Max. G. H. ..... ft. on .....
Min. Disch. ..... Sec.-ft. on ..... G. H. ..... ft. Min. G. H. ..... ft. on .....
Cor. for Year .....

REMARKS: S - DISCHARGE SUBMITTED, X - MANUAL STREAM DISCHARGE E.T. ... RECORD - NO GAGE HEIGHT RECORD, "A" - ICE, E.E.E.T. - A OBSERVATION

II A-362

DISCHARGE, IN CFS, WATER YEAR 1980, MEAN VALUES, FOR

SORGHUM GL NR RIO BLANCO, CO. 09306033 1980 WY

	Oct.	Nov.
1	0.00	0.00
2	0.00	0.00
3	0.00	0.00
4	0.00	0.00
5	0.00	0.00
6	0.00	0.00
7	0.00	0.00
8	0.00	0.00
9	0.00	0.00
10	0.00	0.00
11	0.00	0.00
12	0.00	0.00
13	0.00	0.00
14	0.00	0.00
15	0.00	0.00
16	0.00	0.00
17	0.00	0.00
18	0.00	0.00
19	0.00	0.00
20	0.00	0.00
21	0.00	0.00
22	0.00	
23	0.00	
24	0.00	
25	0.00	
26	0.00	
27	0.00	
28	0.00	
29	0.00	
30	0.00	
31	0.00	
TOTAL	0.00	0.00

USGS WATER GAUGING STATION 09306036
Sorghum Gulch At Mouth Near Rio Blanco

A. DAILY TABLES

1. Discharge (Flow)

9-192-a July 1

Daily Gage Height, in Feet, and Discharge, in Second-Feet, of SORGHUM GULCH @ MOUTH River Creek

Near RIO BLANCO, COLO for the Year Ending September 30, 1979

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

SORGHUM GULCH @ MOUTH NR RIO BLANCO COLORADO

File Number { Washington 09306096 / District

Used rating table dated NO1

Drainage Area ... Square Miles. Water-Stage Recorder CONTINUOUS Datum 1 : 6 Gage Read to ... Once / Twice a Day by ... Gage heights used to half tenths between ... and ... feet hundredths below and tenths above these limits.

Day	October Gage height	October Discharge	November Gage height	November Discharge	December Gage height	December Discharge	January Gage height	January Discharge	February Gage height	February Discharge	March Gage height	March Discharge
1		NO FLOW		NO FLOW		NO FLOW	"a"	NO FLOW		NO FLOW		NO FLOW
2												
3												
4												
5												
6												
7			*									
8												
9												
10												
11							CLOCK STOPPED					
12												
13												
14												
15												
16	*											
17												
18												
19												
20												
21					"a"							
22												
23							"a"	*				
24												
25												
26					CLOCK STOPPED							
27												
28												
29												
30												
31					"a"							
Total		0.0		0.0		0.0		0.0		0.0		0.0

Day	April Gage height	April Discharge	May Gage height	May Discharge	June Gage height	June Discharge	July Gage height	July Discharge	August Gage height	August Discharge	September Gage height	September Discharge
1				NO FLOW								
2												
3												
4												
5												
6												
7												
8			*									
9												
10												
11										NO FLOW		
12												
13												
14		NO FLOW										
15												
16												
17												
18												
19												
20							*					
21					*							
22												
23									*			
24												
25												
26												
27												
28												
29												
30												
31												
Total		0.0		0.0		0.0		0.0		0.0		0.0

Day	Quarter	Fourth	Third	Second	First	Quarter	Fourth	Third	Second	First	Quarter	Fourth	Third	Second	First
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
Total		0.0		0.0		0.0		0.0		0.0		0.0		0.0	

Water 1979

Computed ... Checked ... Date ...

Date applied ... Date checked ... Date ...

Mean Second-feet per square mile

Runoff in inches

Runoff in acre-feet

Max. discharge

Min. discharge

Max. Disch. — ... See.-ft. at ... on ... (G. H. ... ft.). Max. G. H. ... ft. at ... on ...

Min. Disch. ... See.-ft. on ... (G. H. ... ft.). Min. G. H. ... ft. on ...

S—DISCHARGE SHUT OFF. V—VARIABLE SHIFT. ... FOR ... NC

D—DRY. E—ICE. F—FLOW. ... NO FLOW

11 A-395

DISCHARGE, IN CFS, WATER YEAR 1980, MEAN VALUES, FOR

SORGHUM GL AT MOUTH 09306036 1980 WY

	Oct.	Nov.
1	0.00	0.00
2	0.00	0.00
3	0.00	0.00
4	0.00	0.00
5	0.00	0.00
6	0.00	0.00
7	0.00	0.00
8	0.00	0.00
9	0.00	0.00
10	0.00	0.00
12	0.00	0.00
13	0.00	0.00
14	0.00	0.00
15	0.00	0.00
16	0.00	0.00
17	0.00	0.00
18	0.00	0.00
19	0.00	0.00
20	0.00	0.00
21	0.00	0.00
22	0.00	
23	0.00	
24	0.00	
25	0.00	
26	0.00	
27	0.00	
28	0.00	
29	0.00	
30	0.00	
31	0.00	
TOTAL	0.00	0.00

USGS WATER GAUGING STATION 09306039
Cottonwood Gulch Near Rio Blanco

A. DAILY TABLES

1. Discharge (Flow)

9-192 a July 1967

Daily Gage Height, in Feet, and Discharge, in Second-Feet, of COTTON WOOD GULCH ~~River~~ ~~Creek~~

Near RIO BLANCO, COLO for the Year Ending September 30, 1979

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

COTTONWOOD GULCH
NR RIO BLANCO,
COLO

File Number { Washington 09306039 / District

Used rating table dated NO 1

Drainage Area ..... Square Miles. Water-Stage Recorder CONTINUOUS Ratio 1 : 6 Gage Read to ..... Once / Twice a Day by .....

Gage heights used to half tenths between and fe hundredths below and tenths above these limits.

Day	October Gage height	October Discharge	November Gage height	November Discharge	December Gage height	December Discharge	January Gage height	January Discharge	February Gage height	February Discharge	March Gage height	March Discharge
1		NO FLOW		No Flow		NO FLOW	"a"	NO FLOW		NO FLOW	"a"	NO FLOW
2												
3												
4												
5												
6												
7												
8			*									
9												
10												
11												
12												
13												
14												
15												
16	*1											
17					"a"							
18												
19												
20												
21												
22												
23							"a"	*1				
24												
25												
26												
27											"a"	
28												
29												
30												
31					"a"							
Total		0.0		0.0		0.0		0.0		0.0		0.0

Day	April Gage height	April Discharge	May Gage height	May Discharge	June Gage height	June Discharge	July Gage height	July Discharge	August Gage height	August Discharge	September Gage height	September Discharge
1		NO FLOW		NO FLOW		NO FLOW		NO FLOW		NO FLOW		NO FLOW
2												
3												
4												
5												
6												
7												
8			*									
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19											*	
20												
21						*						
22												
23									*			
24												
25												
26												
27												
28												
29												
30												
31												
Total		0.0		0.0		0.0		0.0		0.0		0.0

Water Year 197

Max. Disch. ..... Sec.-ft. at ..... on ..... (G. H. ..... ft.) Max. G. H. ..... ft. at ..... on .....
Min. Disch. ..... Sec.-ft. on ..... (G. H. ..... ft.) Min. G. H. ..... ft. on .....

S-DISCHARGE SUBDIVIDED, V-VARIABLE SHIFT, DISCHARGE ESTIMATED
FOR "a" - NO GOOD HEIGHT RECORD; "b" - ICE CREEK

Mean
Second feet per square mile
Run-off in inches
Run-off in acre feet
Maximum
Minimum

Fourth / Third / Second / First / Quarter — Computed ..... Checked .....
Fourth / Third / Second / First / Quarter — Disch. applied ..... Disch. checked .....
Fourth / Third / Second / First / Quarter — G. H. copied ..... G. H. checked .....

RECORD
TO REVISION

II A-368

DISCHARGE, IN CFS, WATER YEAR 1980, MEAN VALUES, FOR

COTTONWOOD CR NR RIO BLANCO, CO 09306039 1980 WATER YEAR

	Oct.	Nov.
1	0.00	0.00
2	0.00	0.00
3	0.00	0.00
4	0.00	0.00
5	0.00	0.00
6	0.00	0.00
7	0.00	0.00
8	0.00	0.00
9	0.00	0.00
10	0.00	0.00
11	0.00	0.00
12	0.00	0.00
13	0.00	0.00
14	0.00	0.00
15	0.00	0.00
16	0.00	0.00
17	0.00	0.00
18	0.00	0.00
19	0.00	0.00
20	0.00	0.00
21	0.00	0.00
22	0.00	
23	0.00	
24	0.00	
25	0.00	
26	0.00	
27	0.00	
28	0.00	
29	0.00	
30	0.00	
31	0.00	
TOTAL	0.00	0.00

USGS WATER GAUGING STATION 09306042
Piceance Creek Tributary Near Rio Blanco

A. DAILY TABLES

1. Discharge (Flow)
2. Temperature
3. Specific Conductance

Daily Gage Height, in Feet, and Discharge, in Second-Feet, of PICEANCE CREEK TRIBUTARY River/Creek

Near RIO BLANCO, COLORADO for the Year Ending September 30, 1979

Drainage Area ..... Square Miles. Water-Stage Recorder CONTINUOUS Datum 1.6

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

NR RIO BLANCO, COLO

File Number { Washington 09306042 / District 9

Used rating table dated NO 1

Gage Read to ..... Once/Twice a Day by .....

Gage heights used to half tenths between ..... and ..... feet; hundredths below and tenths above these limits.

Day	October Gage height	October Discharge	November Gage height	November Discharge	December Gage height	December Discharge	January Gage height	January Discharge	February Gage height	February Discharge	March Gage height	March Discharge
1		NO FLOW		NO FLOW								
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16						NO FLOW		NO FLOW		NO FLOW		NO FLOW
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
Total		0.0		0.0		0.0		0.0		0.0		0.0

Day	April Gage height	April Discharge	May Gage height	May Discharge	June Gage height	June Discharge	July Gage height	July Discharge	August Gage height	August Discharge	September Gage height	September Discharge
1										0		0
2										0		0
3										0		0
4										0		0
5										0		0
6										.11	0.75	.04
7										.10		0
8										0		0
9										0		0
10										0		0
11										.01		0
12										0		0
13										0	0.82	0.10
14										0		0
15									0.75	.04		0
16									0.78	.24		0
17									0.74	.01		0
18										0		0
19										0		0
20										0		0
21										0		0
22									0.81	0.18		0
23										0		0
24										0		0
25										0		0
26										0		0
27										0		0
28										0		0
29								0	0.90	0.15		0
30								0	0.93	0.25		0
31								.10	0.81	0.05		
Total		0.0		0.0		0.0		0.10		1.14		0.14

S- DISCHARGE SUBDIVIDED, V- VARIABLE SHLET, DISCHARGE ESTIMATED
FOR 1/2 - NO GAGE HEIGHT RECORD, 1/2 ICE EFFECT, ASSERVATION

CLOCK STOPPED 'ON' 'ON'

WATER YEAR 1979

Mean: Second feet per square mile
Runoff in inches
Runoff in acre-feet
Maximum
Minimum

PRELIMINARY RECORD SUBJECT TO REVISION

Max. Disch. — ..... See.-ft. at ..... on ..... (G. H. ..... ft.). Max. G. H. ..... ft. at ..... on .....
Min. Disch. ..... See.-ft. on ..... (G. H. ..... ft.). Min. G. H. ..... ft. on .....

Compared ..... Checked ..... Date .....
Disch. applied ..... Disch. checked ..... Date .....
G. H. copied ..... G. H. checked ..... Date .....

DISCHARGE, IN CFS, WATER YEAR 1980, MEAN VALUES, FOR

PICEANCE CR TRIB NR RIO BLANCO 09306042 WY 1980 MEAN DAILY DISCHARGE IN CFS

	Oct.	Nov.
1	0.02	0.00
2	0.03	0.00
3	0.00	0.00
4	0.00	0.00
5	0.07	0.10
6	0.00	0.25
7	0.00	0.00
8	0.00	0.20
9	0.00	0.21
10	0.00	0.00
11	0.00	0.00
12	0.00	0.00
13	0.00	0.00
14	0.00	0.12
15	0.00	0.00
16	0.00	0.00
17	0.00	0.00
18	0.12	0.00
19	0.32	0.00
20	0.19	0.00
21	0.00	0.00
22	0.00	
23	0.00	
24	0.00	
25	0.00	
26	0.00	
27	0.00	
28	0.05	
29	0.00	
30	0.13	
31	0.15	
TOTAL	0.00	0.00

Coding Form for Input Update of Daily Values--Continued

Station identification number 09306042 Piceance Cr. Trib. Water year 1979 MAX TEMP(°C)

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3	NO FLOW						3		NO FLOW					3
	4							4							4
	5							5							5
	6							6					19.5	30	6
	7							7					26.5		7
	8		*					8							8
Card No. 02	9							9							9
	10							10		*					10
	11							11					24		11
	12							12							12
	13							13						23	13
	14							14							14
	15							15					18.5		15
	16							16					21.5		16
Card No. 03	17	*						17					20.5		17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22					25		22
	23							23							23
	24				*			24							24
Card No. 04	25							25							25
	26							26							26
	27							27							27
	28							28							28
	29							29					29		29
	30					-------	*	30					18		30
	31		-------			-------		31	-------		-------	29	25.5	-------	31

NO FLOW

TOTAL CHECK CARD

Type	Water year	Total value (sum of daily value entries)
T	1979	
1	17 20	21 32

Par Code 00010 TEMP

Stat Code 00001 Max

Remarks

PRELIMINARY RECORD
SUBJECT TO REVISION

GPO : 1971 O - 442-477

Coding Form for Input Update of Daily Values--Continued

Station identification number 09306042 Piceance Cr. Trib. Water year 1979 Temp Min (°C)

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2	NO FLOW						2							2
	3							3							3
	4							4							4
	5							5							5
	6							6					16.5	7	6
	7							7					11.5		7
	8							8							8
Card No. 02	9							9							9
	10							10					10		10
	11							11					8.5		11
	12							12							12
	13							13						7.5	13
	14							14							14
	15							15					17.5		15
	16							16					17		16
Card No. 03	17							17					12.5		17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24							24							24
Card No. 04	25							25							25
	26							26							26
	27							27							27
	28							28							28
	29							29					11		29
	30					-------		30					8.5		30
	31		-------			-------		31	-------		-------	27.5	22	-------	31

TOTAL CHECK CARD Type T (1) Water year 1979 (17–20) Total value (sum of daily value entries) (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Par Code 00010 TEMP
Stat Code 00002 MIN

Remarks

GPO : [illegible] - 442-477

II A-374

Coding Form for Input Update of Daily Values--Continued

Station identification number 09306042 Piceance Cr. Trib. Water year 1979 MEAN TEMP (°C)

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2	NO FLOW						2							2
	3							3							3
	4							4							4
	5							5							5
	6							6					17.5	14.5	6
	7							7					16		7
	8							8							8
Card No. 02	9							9							9
	10							10					12.5		10
	11							11					13		11
	12							12							12
	13							13							13
	14							14							14
	15							15					18		15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24							24							24
Card No. 04	25							25							25
	26							26							26
	27							27							27
	28							28							28
	29							29							29
	30					-------		30							30
	31		-------			-------		31	-------		-------	28		-------	31

TOTAL CHECK CARD

Type: T (1) Water year: 1979 (17–20) Total value (sum of daily value entries): (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Par Code 00010 TEMP

Stat Code 00003 MEAN

Remarks

GPO : 1971 O - 442-477

Coding Form for Input and Update of Daily Values--Continued

Par Code 000, TEMP

Station identification number 09306042 Piceance Cr. Trib.

Water year 1990

Stat Code 00001 MAX

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	17.5						1							1
	2	6.5						2							2
	3							3							3
	4							4							4
	5	5	0.5					5							5
	6	NO FLOW	0.5					6							6
	7	↑						7							7
	8		1.5					8							8
Card No. 02	9		7.5					9							9
	10							10							10
	11							11							11
	12							12							12
	13							13							13
	14		NO DATA					14							14
	15							15							15
	16	↓						16							16
Card No. 03	17	NO FLOW						17							17
	18	16.5						18							18
	19	18						19							19
	20	8.5						20							20
	21							21							21
	22							22							22
	23							23							23
	24							24							24
Card No. 04	25							25							25
	26							26							26
	27							27							27
	28	15						28							28
	29							29							29
	30	0				-------		30							30
	31	0	-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type: T (1)

Water year: 17 – 20

Total value (sum of daily value entries): 21 – 32

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

GPO : 1971 O - 442-477

Coding Form for Input and Update of Daily Values--Continued

Par Code TEMP ~~MIN~~

Station identification number 09306042 Piceance Cr. Trib.

Water year 1980

Stat Code MIN 00002

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	13						1							1
	2	5.5						2							2
	3							3							3
	4							4							4
	5	2	0					5							5
	6		0					6							6
	7							7							7
	8		0					8							8
Card No. 02	9		0.5					9							9
	10							10							10
	11							11							11
	12							12							12
	13							13							13
	14		NO DATA					14							14
	15							15							15
	16							16							16
Card No. 03	17							17							17
	18	10						18							18
	19	10.5						19							19
	20	1						20							20
	21							21							21
	22							22							22
	23							23							23
	24							24							24
Card No. 04	25							25							25
	26							26							26
	27							27							27
	28	4						28							28
	29							29							29
	30	0				-------		30							30
	31	0	-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1) Water year [ ] (17–20) Total value (sum of daily value entries) [ ] (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

GPO : 1971 O - 442-477

Coding Form for Input and Update of Daily Values--Continued

Par Code 00010 TEMP

Station identification number 09306042 Piceance Cr. Trib.

Water year 1980

Stat Code 00003 MEAN

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2							2							2
	3							3							3
	4							4							4
	5							5							5
	6							6							6
	7							7							7
	8							8							8
Card No. 02	9							9							9
	10							10							10
	11							11							11
	12							12							12
	13							13							13
	14							14							14
	15							15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20	5						20							20
	21							21							21
	22							22							22
	23							23							23
	24							24							24
Card No. 04	25							25							25
	26							26							26
	27							27							27
	28							28							28
	29							29							29
	30					-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type: T (1)

Water year: (17–20)

Total value (sum of daily value entries): (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306042 Piceance Cr. Trib. Water year 1979

Spec. Conductivity Max (umhos)

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2	NO FLOW						2							2
	3							3							3
	4							4							4
	5							5							5
	6							6					NO DATA	1310	6
	7							7					NO DATA		7
	8							8							8
Card No. 02	9							9							9
	10							10							10
	11							11					NO DATA		11
	12							12							12
	13							13							13
	14							14							14
	15							15					1380		15
	16							16							16
Card No. 03	17							17					1260		17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24							24							24
Card No. 04	25							25							25
	26							26							26
	27							27							27
	28							28							28
	29							29							29
	30					-------		30							30
	31		-------			-------		31	-------		-------	NO DATA		-------	31

TOTAL CHECK CARD

Type: T (1) Water year: 1979 (17–20)

Total value (sum of daily value entries) (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Par Code 00095 S.C.

Stat Code 00001 Max

Remarks

GPO : 1971 O - 442-477

Coding Form for Input Update of Daily Values--Continued

Station identification number 09306042 Piceance Cr. Trib. Water year 1979 Min Conductivity (µmhos)

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1							1							1
	2	NO FLOW						2							2
	3							3							3
	4							4							4
	5							5							5
	6							6					NO DATA	1180	6
	7							7					NO DATA		7
	8							8							8
Card No. 02	9							9							9
	10							10							10
	11							11					NO DATA		11
	12							12							12
	13							13							13
	14							14							14
	15							15					1310		15
	16							16							16
Card No. 03	17							17					1200		17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24							24							24
Card No. 04	25							25							25
	26							26							26
	27							27							27
	28							28							28
	29							29							29
	30					-------		30							30
	31		-------			-------		31	-------		-------	NO DATA		-------	31

TOTAL CHECK CARD

Type	Water year	Total value (sum of daily value entries)
T	1979	
1	17 20	21 32

PRELIMINARY RECORD
SUBJECT TO REVISION

Par Code 00095 S.C.

Stat Code 00002 MIN

Remarks

GPO : 1 - 442-477

II A-380

Coding Form for Input Update of Daily Values--Continued

Station identification number 09306042 Piceance Cr. Trib. Water year 1979 Mean Conductivity (µmhos)

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	No Flow						1							1
	2							2							2
	3							3							3
	4							4							4
	5							5							5
	6							6					NO DATA	1250	6
	7							7					NO DATA		7
	8							8							8
Card No. 02	9							9							9
	10							10							10
	11							11					NO DATA		11
	12							12							12
	13							13							13
	14							14							14
	15							15					1350		15
	16							16							16
Card No. 03	17							17					1230		17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24							24							24
Card No. 04	25							25							25
	26							26							26
	27							27							27
	28							28							28
	29							29							29
	30					-------		30							30
	31		-------			-------		31	-------		-------	NO DATA		-------	31

TOTAL CHECK CARD

Type	Water year	Total value (sum of daily value entries)
T	1979	
1	17 20	21 32

PRELIMINARY RECORD
SUBJECT TO REVISION

Par Code 00095 S.C.

Stat Code 00003 MEAN

Remarks

GPO : 1971 O - 442-477

Par Code c 15 COND

Stat Code 00001 MAX

Coding Form for Input and Update of Daily Values--Continued

Station identification number 09306042 Piceance Cr. Trib. Water year 1980

(µmhos)

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	1350	NO FLOW					1							1
	2	NO DATA						2							2
	3							3							3
	4		NO FLOW					4							4
	5	NO DATA	NO DATA					5							5
	6	NO FLOW	NO DATA					6							6
	7		NO FLOW					7							7
	8		NO DATA					8							8
Card No. 02	9		NO DATA					9							9
	10		NO FLOW					10							10
	11							11							11
	12							12							12
	13							13							13
	14		NO DATA					14							14
	15		NO FLOW					15							15
	16							16							16
Card No. 03	17	NO FLOW						17							17
	18	NO DATA						18							18
	19							19							19
	20	NO DATA						20							20
	21	NO FLOW	NO FLOW					21							21
	22							22							22
	23							23							23
	24							24							24
Card No. 04	25							25							25
	26							26							26
	27	NO FLOW						27							27
	28	NO DATA						28							28
	29	NO FLOW						29							29
	30	NO DATA				-------		30							30
	31	NO DATA	-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type: T (1)

Water year: 17 – 20

Total value (sum of daily value entries): 21 – 32

PRELIMINARY RECORD
SUBJECT TO REVISION

Remark

11 A-382

Coding Form for Input and Update of Daily Values--Continued

Par Code 00095 COND

Station identification number 09306042 Piceance Cr. Trib.

Water year 1980

Stat Code 00002 MIN (Summary)

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	1340						1							1
	2							2							2
	3							3							3
	4							4							4
	5							5							5
	6							6							6
	7							7							7
	8							8							8
Card No. 02	9							9							9
	10							10							10
	11							11							11
	12							12							12
	13							13							13
	14							14							14
	15							15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24							24							24
Card No. 04	25							25							25
	26							26							26
	27							27							27
	28							28							28
	29							29							29
	30					-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type: T (1)

Water year: 17 – 20

Total value (sum of daily value entries): 21 – 32

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

GPO : 1971 O - 442-477

Coding Form for Input and Update of Daily Values--Continued

Par Code 00095 COND

Station identification number 09306042 Piceance Cr. Trib. Water year 1980 Stat Code 00003 MEAN (umhos)

	DAY	OCT (10)	NOV (11)	DEC (12)	JAN (01)	FEB (02)	MAR (03)	DAY	APR (04)	MAY (05)	JUNE (06)	JULY (07)	AUG (08)	SEPT (09)	DAY
Card No. 01	1	1350						1							1
	2							2							2
	3							3							3
	4							4							4
	5							5							5
	6							6							6
	7							7							7
	8							8							8
Card No. 02	9							9							9
	10							10							10
	11							11							11
	12							12							12
	13							13							13
	14							14							14
	15							15							15
	16							16							16
Card No. 03	17							17							17
	18							18							18
	19							19							19
	20							20							20
	21							21							21
	22							22							22
	23							23							23
	24							24							24
Card No. 04	25							25							25
	26							26							26
	27							27							27
	28							28							28
	29							29							29
	30					-------		30							30
	31		-------			-------		31	-------		-------			-------	31

TOTAL CHECK CARD

Type [T] (1) Water year [ ] (17–20) Total value (sum of daily value entries) [ ] (21–32)

PRELIMINARY RECORD
SUBJECT TO REVISION

Remarks

USGS WATER GAUGING STATION 09306050
Scandard Gulch Near Rio Blanco

A. DAILY TABLES

1. Discharge (Flow)

SCANDARD GULCH NR
RIO BLANCO, COLO.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

File Number { Washington C 130 60
District

Daily Gage Height, in Feet, and Discharge, in Second-Feet, of SCANDARD GULCH

Near RIO BLANCO, COLORADO for the Year Ending September 30, 19 79

Used rating table dated NO 1

Drainage Area ..... Square Miles. Water-Stage Recorder CONTINUOUS Ratio 1 : 6 Gage Read to ..... Once / Twice a Day by .....

Gage heights used to half tenths between ..... and hundredths below and tenths above these limits.

Max. Disch. ..... Sec.-ft. at ..... on ..... (G. H. ..... ft.) Max. G. H. ..... ft. at ..... on .....
Min. Disch. ..... Sec.-ft. on ..... (G. H. ..... ft.) Min. G. H. ..... ft. on .....

Calendar Year

S-DISCHARGE SCRIBBLED, VARIABLE SHIFT, DISCHARGE ESTIMATED FOR
SMALL GAGE HEIGHT RECORD, ICE EFFECT, MODIFICATION

Day	October Gage height	October Discharge	November Gage height	November Discharge	December Gage height	December Discharge	January Gage height	January Discharge	February Gage height	February Discharge	March Gage height	March Discharge
1									*			
2												
3												
4												
5												
6		NO FLOW	*									
7												
8												
9												
10												
11												
12												
13												
14												
15	*											
16				NO FLOW		NO FLOW		NO FLOW		NO FLOW		NO FLOW
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30			*									
31												
Total		0.0		0.0		0.0		0.0		0.0		0.0

Day	April Gage height	April Discharge	May Gage height	May Discharge	June Gage height	June Discharge	July Gage height	July Discharge	August Gage height	August Discharge	September Gage height	September Discharge
1												
2												
3												
4												
5												
6								NO FLOW				
7												
8					NO FLOW							
9												
10												
11												
12												
13				NO FLOW						NO FLOW		
14												
15												
16		NO FLOW										
17												
18									*		*	
19												
20												
21												
22												
23												
24												
25												
26									*			
27												
28												
29												
30												
31												
Total		0.0		0.0		0.0		0.0		0.0		0.0

Day	Quarter	Second	Third	Fourth
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				

Computed .....
Checked .....
Disch. applied .....
Disch. checked .....

WATER 19

Mean ..... Second feet per square mile
Runoff in inches
Runoff in acre feet
Maximum
Minimum

[PRELIMINARY DATA SUBJECT TO REVISION]

II A-386

DISCHARGE, IN CFS, WATER YEAR 1980, MEAN VALUES, FOR

SCANDARD GL NR RIO BLANCO, CO 09306050 1980 WATER YEAR

	Oct.	Nov.
1	0.00	0.00
2	0.00	0.00
3	0.00	0.00
4	0.00	0.00
5	0.00	0.00
6	0.00	0.00
7	0.00	0.00
8	0.00	0.00
9	0.00	0.00
10	0.00	0.00
11	0.00	0.00
12	0.00	0.00
13	0.00	0.00
14	0.00	0.00
15	0.00	0.00
16	0.00	0.00
17	0.00	0.00
18	0.00	0.00
19	0.00	0.00
20	0.00	0.00
21	0.00	0.00
22	0.00	
23	0.00	
24	0.00	
25	0.00	
26	0.00	
27	0.00	
28	0.00	
29	0.00	
30	0.00	
31	0.00	
TOTAL	0.00	0.00

USGS WATER GAUGING STATION 09306052
Scandard Gulch at Mouth Near Rio Blanco

A. DAILY TABLES

1. Discharge (Flow)

Daily Gage Height, in Feet, and Discharge, in Second-Feet, of SCANDARD GULCH AT MOUTH

At RIO BLANCO, COLO for the Year Ending September 30, 1979.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

AT MOUTH NEAR RIO BLANCO, COLO

File Number { Washington 09306052 / District

Used rating table dated 161

Drainage Area ..... Square Miles. Water-Stage Recorder CONTINUOUS Ratio 1 : 6

Gage Read to ..... Once / Twice a Day by .....

Gage heights used to half tenths between and feet; hundredths below and tenths above these limits.

Day	October Gage height	October Discharge	November Gage height	November Discharge	December Gage height	December Discharge	January Gage height	January Discharge	February Gage height	February Discharge	March Gage height	March Discharge
1												
2				DRY								
3												
4												
5												
6			*									
7												
8											S	.38
9												
10												
11												NO FLOW
12				NO FLOW								
13						NO FLOW		NO FLOW			S	.08
14		DRY										
15												
16	*										S	.01
17												
18												
19												NO FLOW
20												
21												
22												
23												NO FLOW
24												
25												
26												
27												
28			*									
29												
30												
31												
Total		0.0		0.0		0.0		0.0		0.0		0.47

Day	April Gage height	April Discharge	May Gage height	May Discharge	June Gage height	June Discharge	July Gage height	July Discharge	August Gage height	August Discharge	September Gage height	September Discharge
1												
2		NO FLOW										
3												
4												
5												
6	*											
7												
8												
9								NO FLOW				
10												
11										NO FLOW		
12												
13												
14				NO FLOW								
15						NO FLOW						
16												
17												
18		NO FLOW					*				*	
19												
20												
21												
22		NO										
23												
24												
25												
26									*			
27												
28												
29												
30												
31												
Total		0.0		0.0		0.0		0.0		0.0		0.0

Day	Quarter First	Quarter Second	Quarter Third	Quarter Fourth	Quarter First	Quarter Second	Quarter Third	Quarter Fourth
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								

Water Year 1979

Computed ..... Date .....
Checked ..... Date .....
Disch. applied ..... Date .....
Disch. checked ..... Date .....
G. H. copied ..... Date .....
G. H. checked ..... Date .....

	October	November	December	January	February	March	April	May	June	July	August	September	Year
Total	0.0	0.0	0.0	0.0	0.0	0.47	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean													
Second feet per square mile													
Runoff in inches													
Runoff in acre-feet													
Maximum													
Minimum													

PRELIMINARY DATA SUBJECT TO REVISION

II A-38c

DISCHARGE, IN CFS, WATER YEAR 1980, MEAN VALUES, FOR

SCANDARD GL AT MOUTH 09306052 1980 WATER YEAR

	Oct.	Nov.
1	0.00	0.00
2	0.00	0.00
3	0.00	0.00
4	0.00	0.00
5	0.00	0.00
6	0.00	0.00
7	0.00	0.00
8	0.00	0.00
9	0.00	0.00
10	0.00	0.00
11	0.00	0.00
12	0.00	0.00
13	0.00	0.00
14	0.00	0.00
15	0.00	0.00
16	0.00	0.00
17	0.00	0.00
18	0.00	0.00
19	0.00	0.00
20	0.00	0.00
21	0.00	0.00
22	0.00	
23	0.00	
24	0.00	
25	0.00	
26	0.00	
27	0.00	
28	0.00	
29	0.00	
30	0.00	
31	0.00	
TOTAL	0.00	0.00

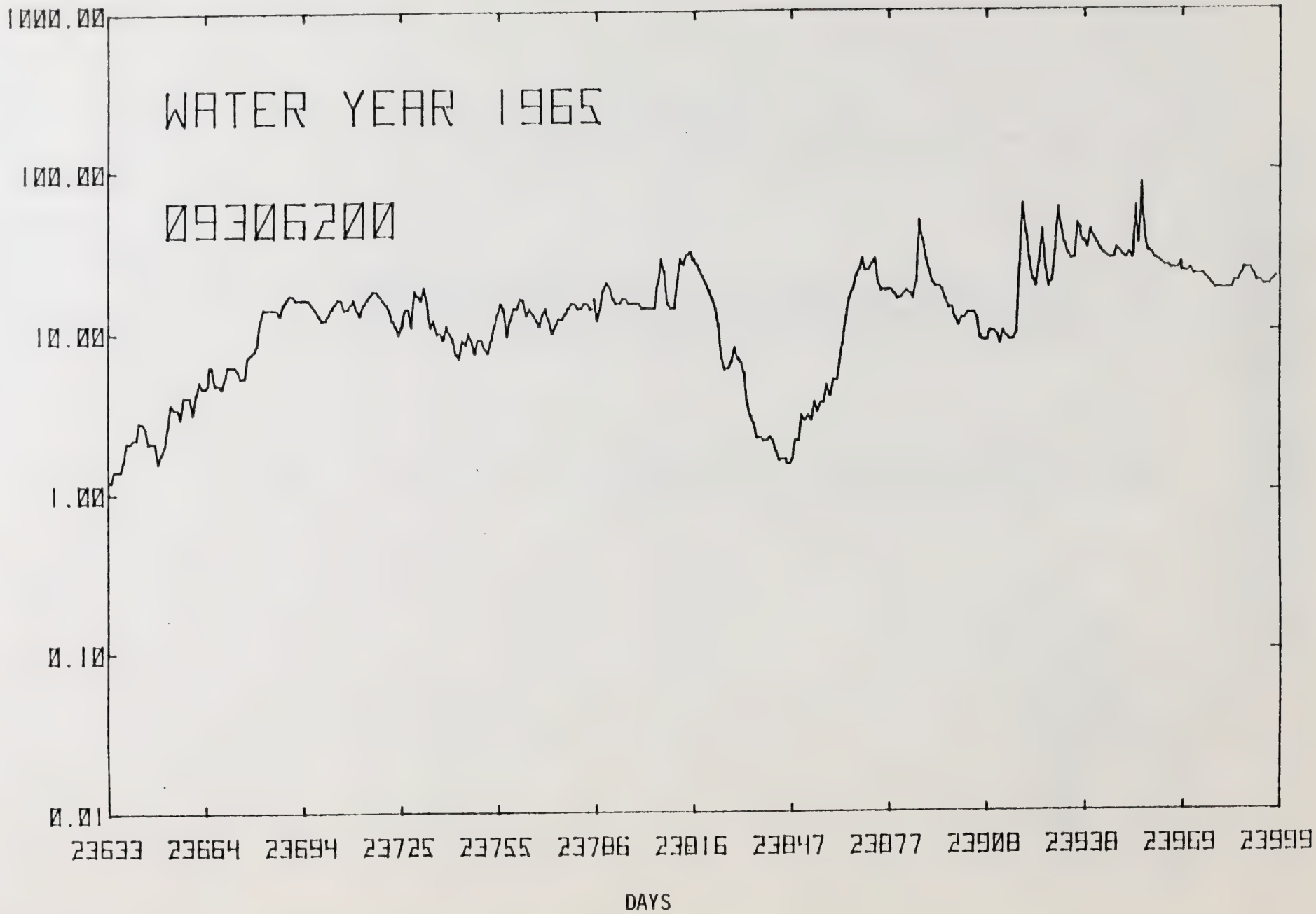
USGS WATER GAUGING STATION 09306200
Piceance Creek Below Ryan Gulch

A. DAILY TABLES

1. Discharge (Flow)

B. WATER QUALITY DATA
PROCESS DATE 9/13/79

Figure II A-6: STREAM FLOW AT USGS STATION 09306200 (WU00)



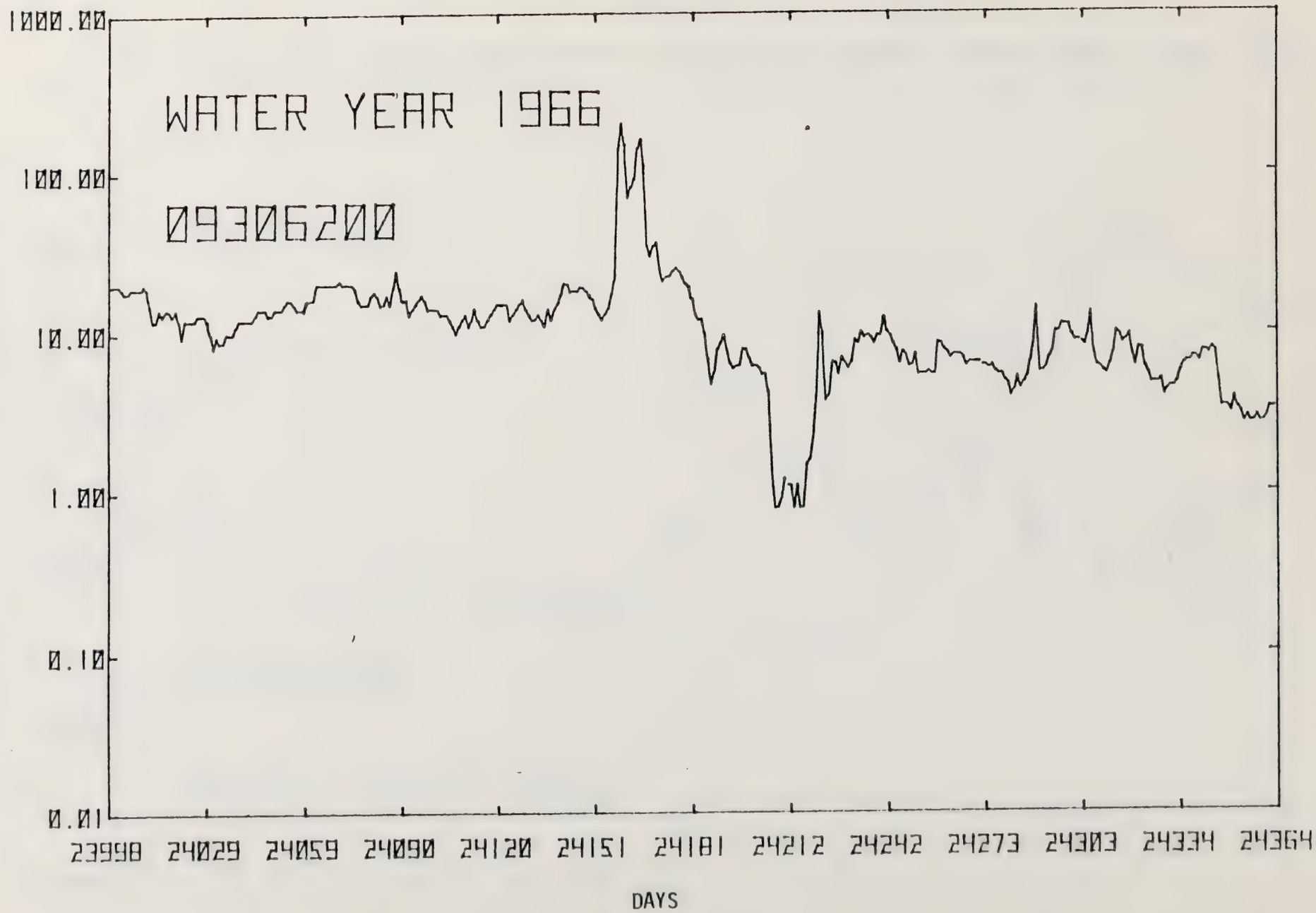

WATER YEAR 1966
09306200
1000.00
100.00
10.00
1.00
0.10
0.01
DISCHARGE (CFS)
23998
24029
24059
24090
24120
24151
24181
24212
24242
24273
24303
24334
24364
DAYS

Figure II A-6: STREAM FLOW AT USGS STATION 09306200 (WU00)

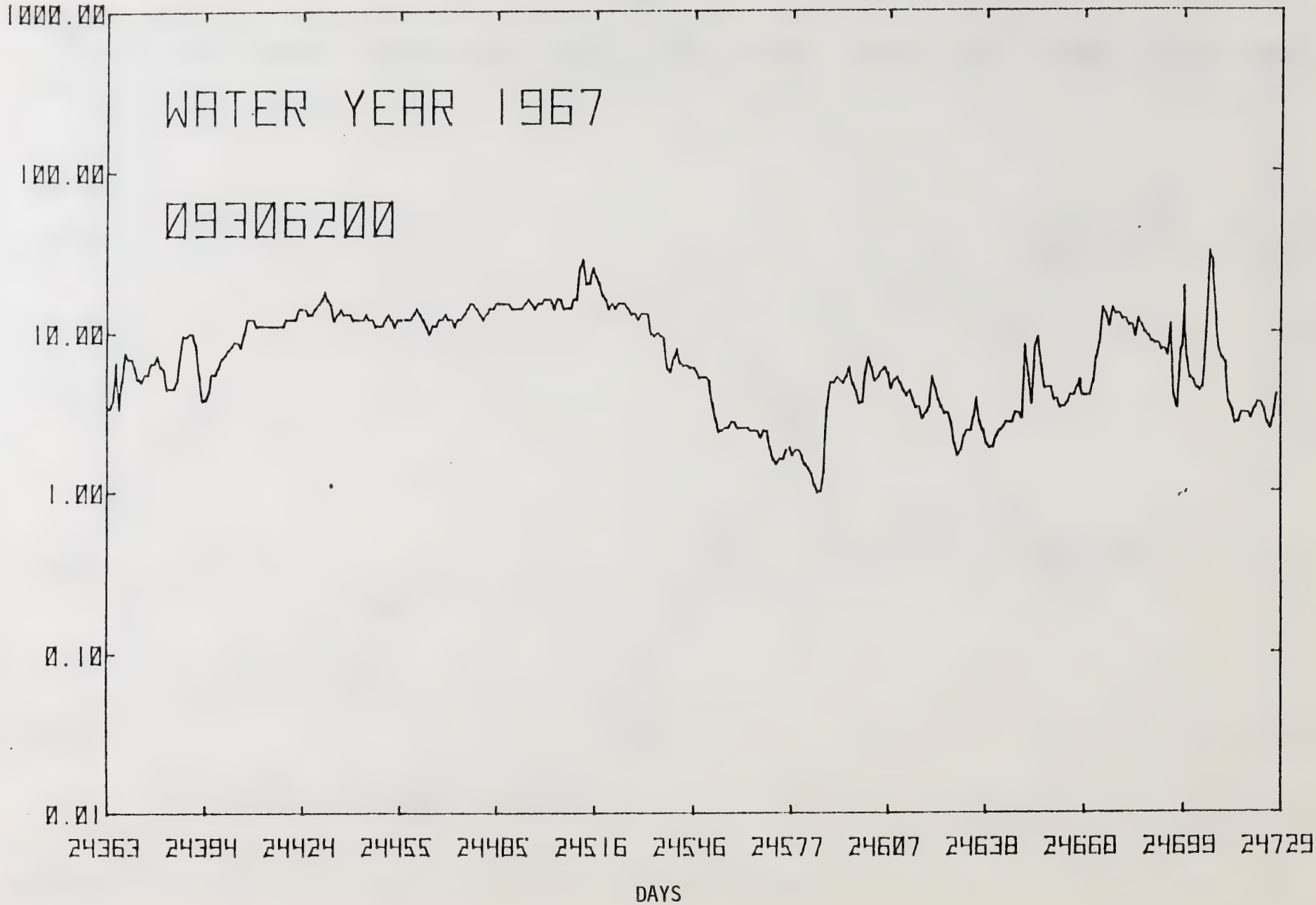


Figure II A-6: STREAM FLOW AT USGS STATION 09306200 (WU00)

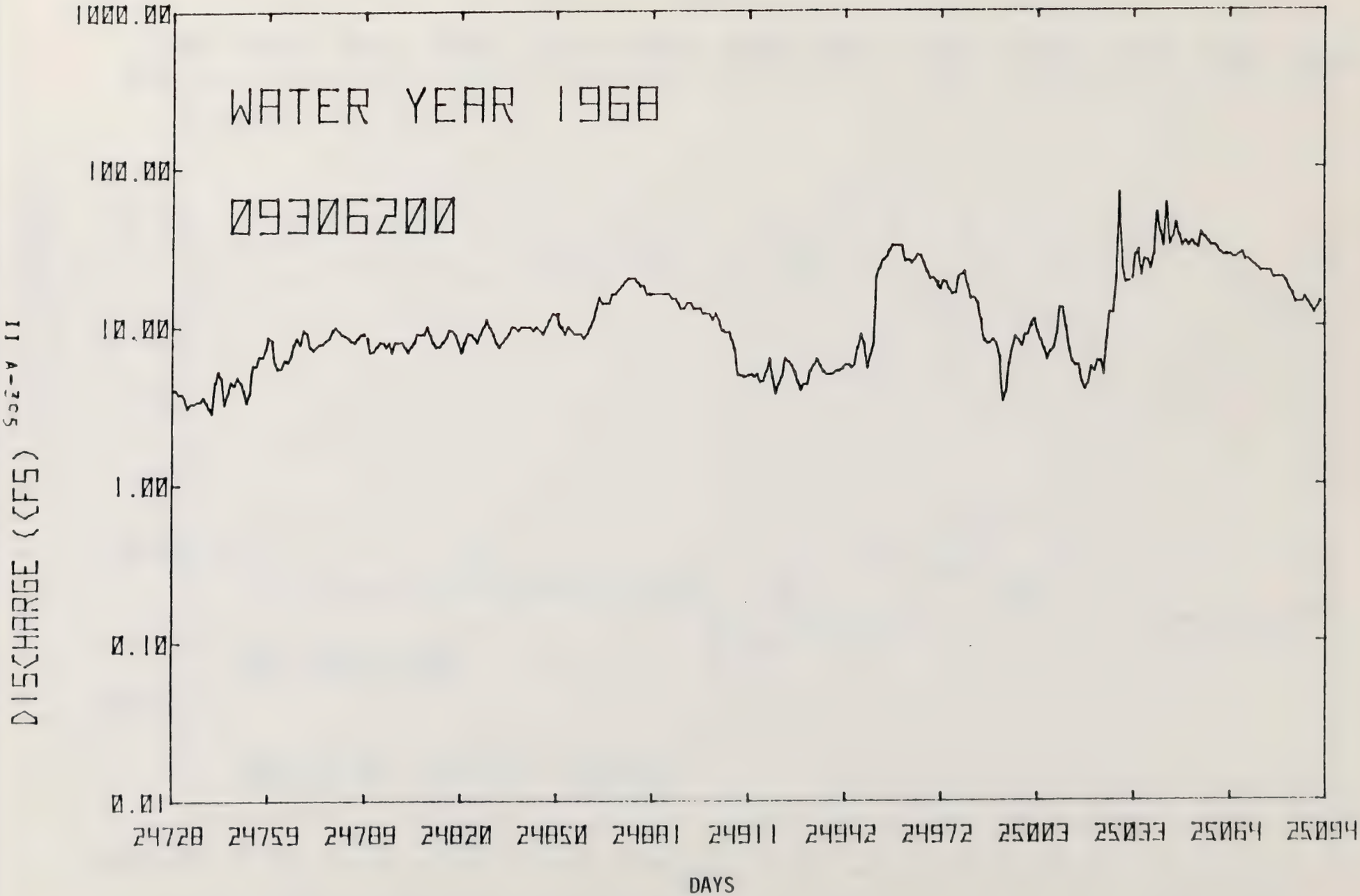


Figure II A-6: STREAM FLOW AT USGS STATION 09306200 (WU00)

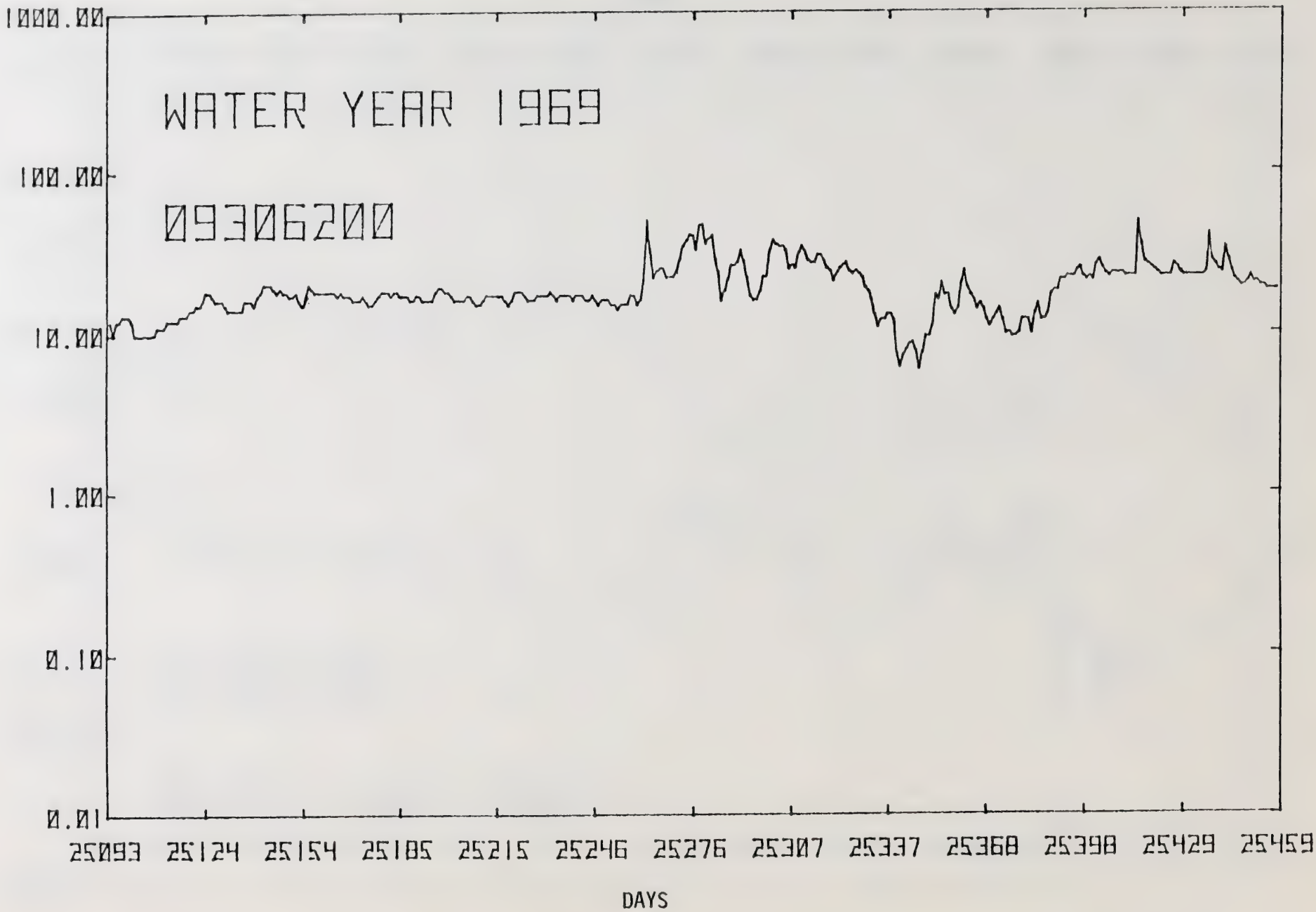


Figure II A-6: STREAM FLOW AT USGS STATION 09306200 (WU00)

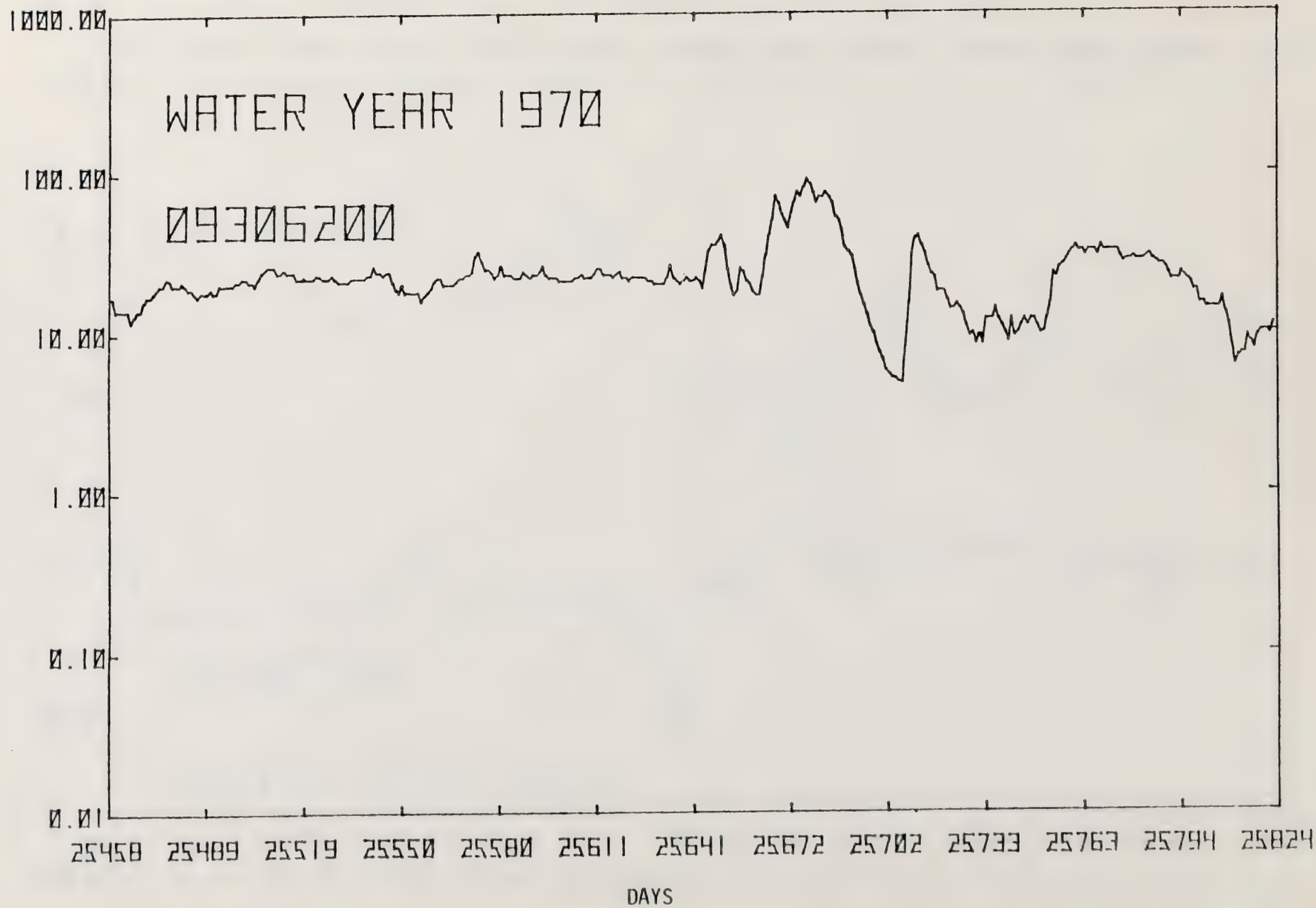


Figure II A-6: STREAM FLOW AT USGS STATION 09306200 (WU00)

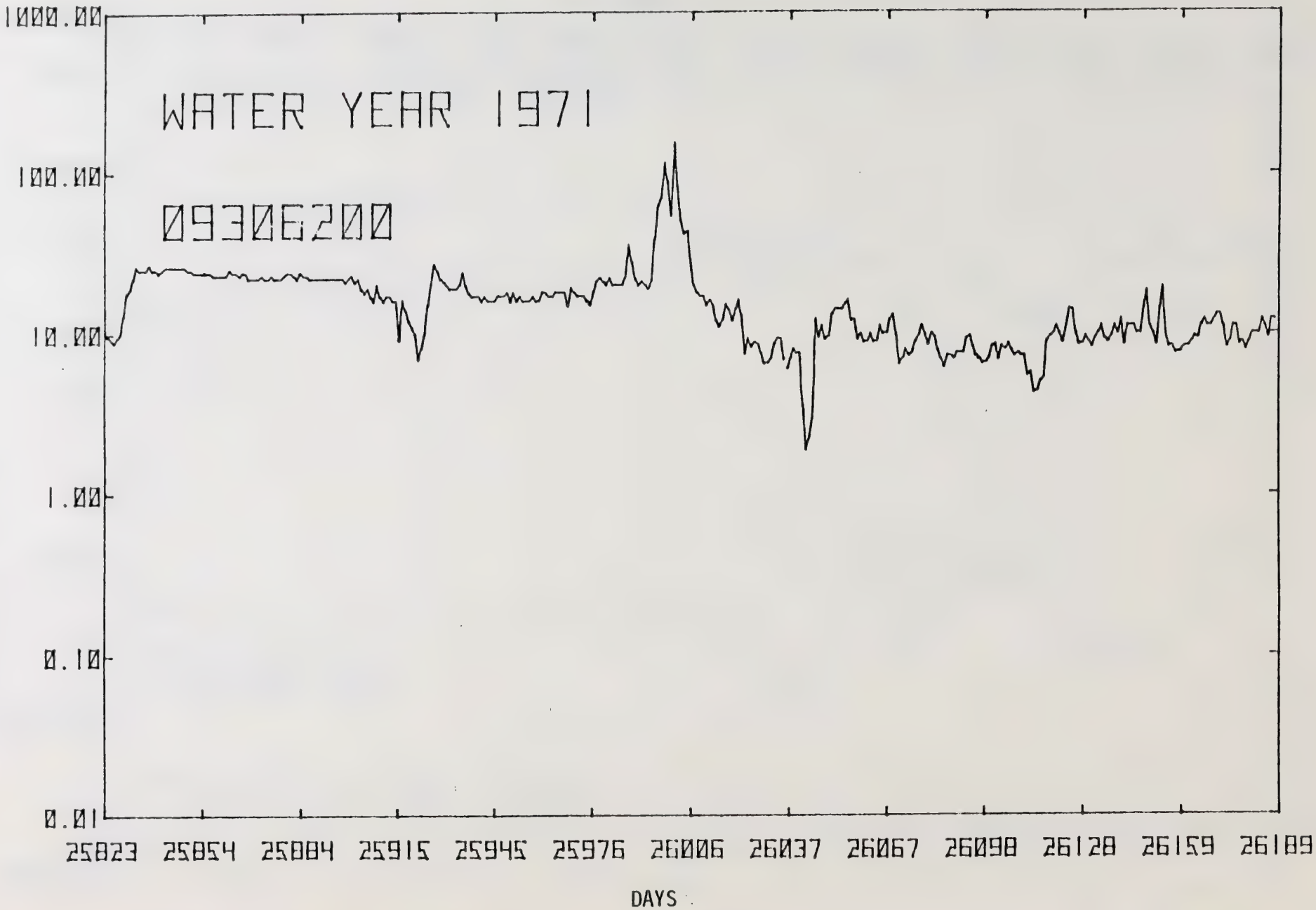


Figure II A-6: STREAM FLOW AT USGS STATION 09306200 (WU00)

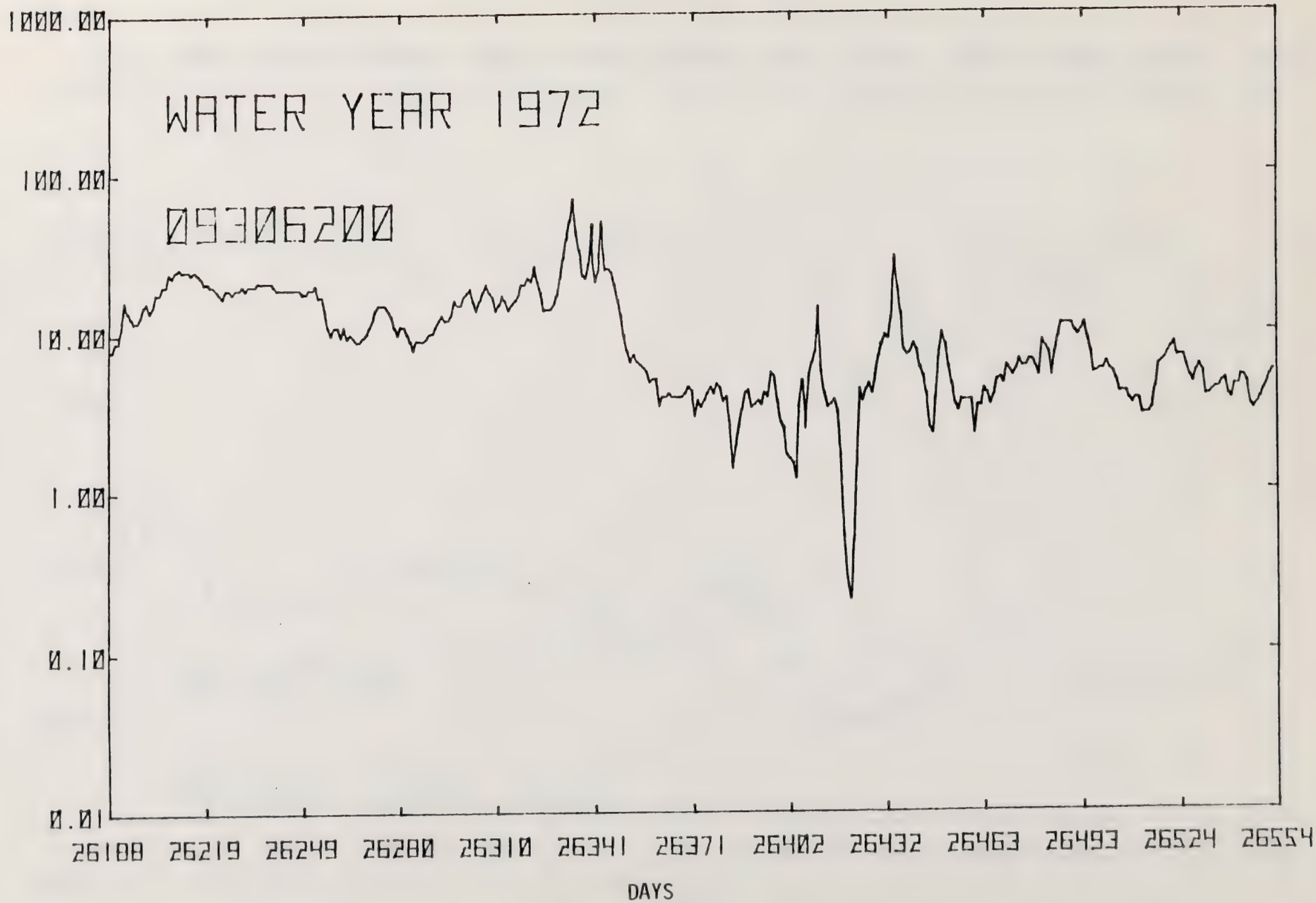


Figure II A-6: STREAM FLOW AT USGS STATION 09306200 (WU00)

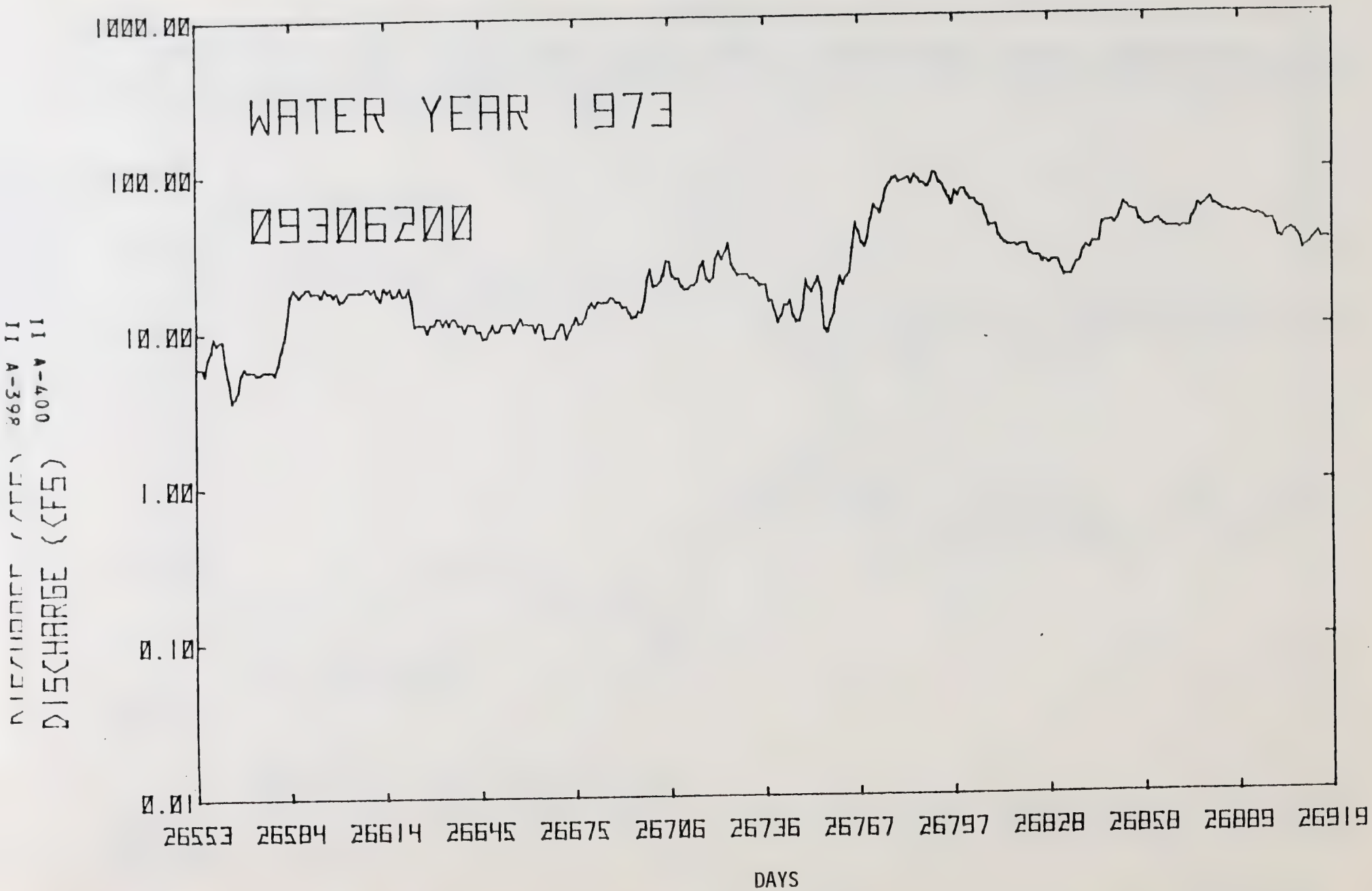


Figure II A-6: STREAM FLOW AT USGS STATION 09306200 (WU00)

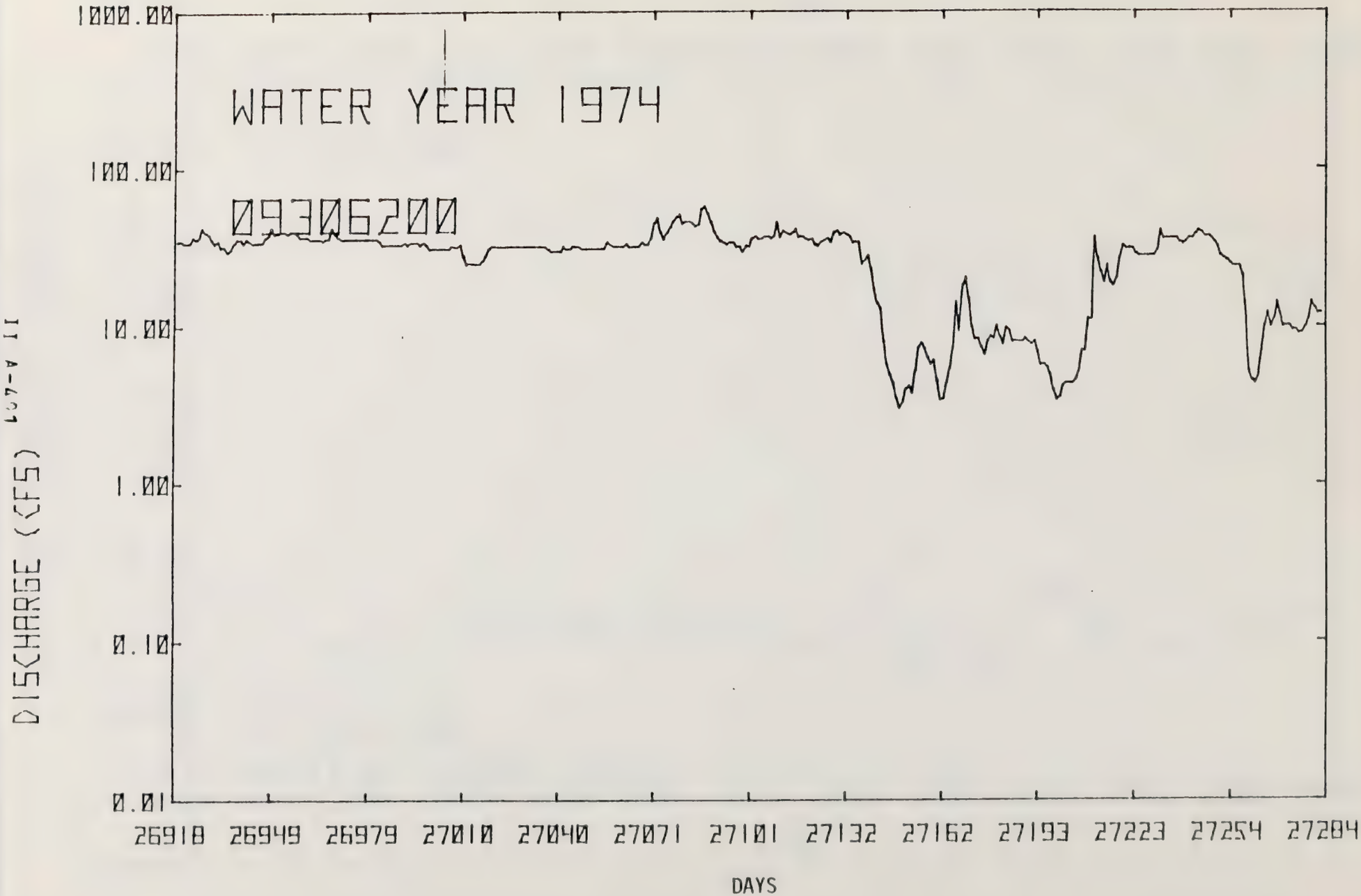
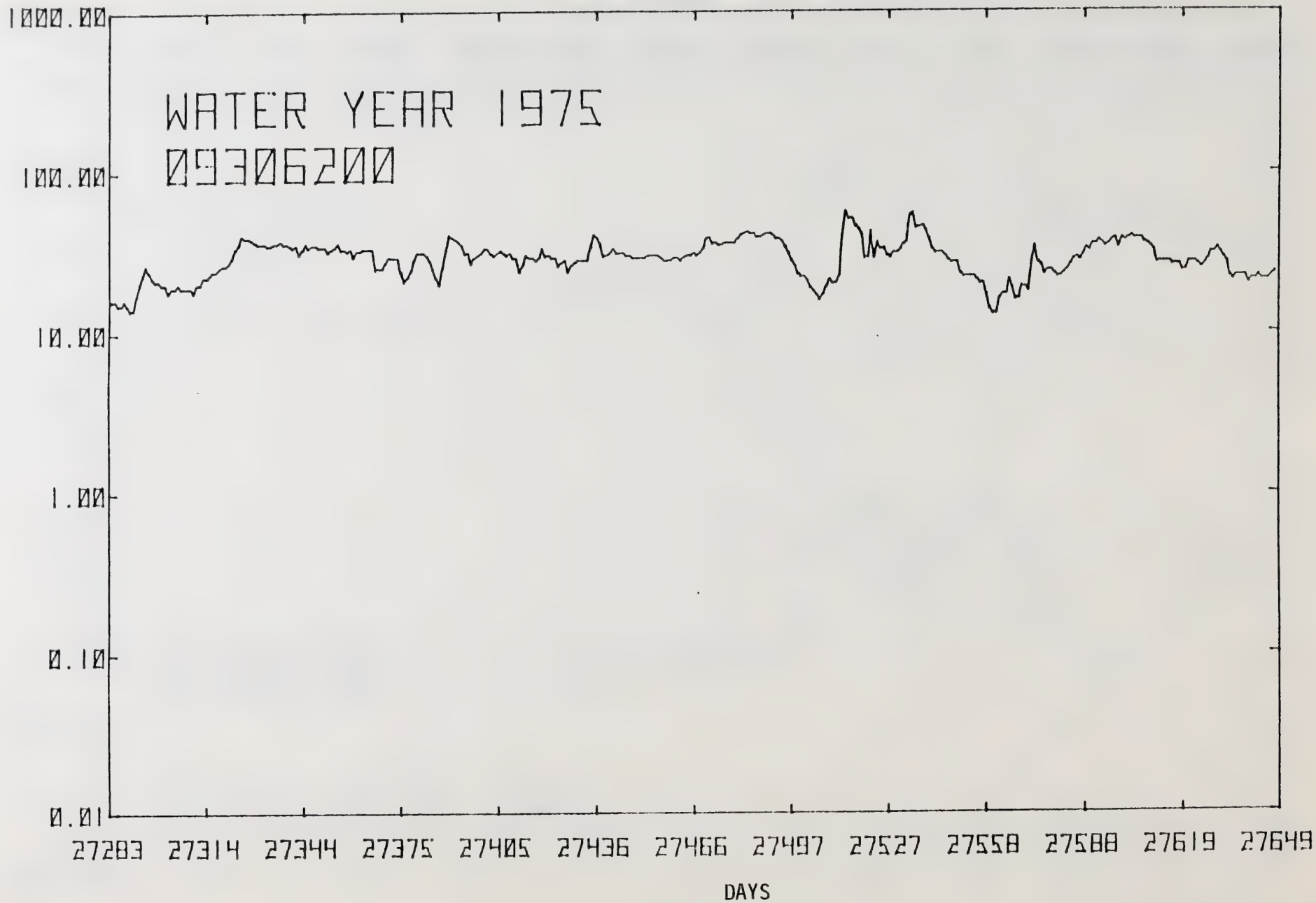


Figure II A-6: STREAM FLOW AT USGS STATION 09306200 (WUOO)



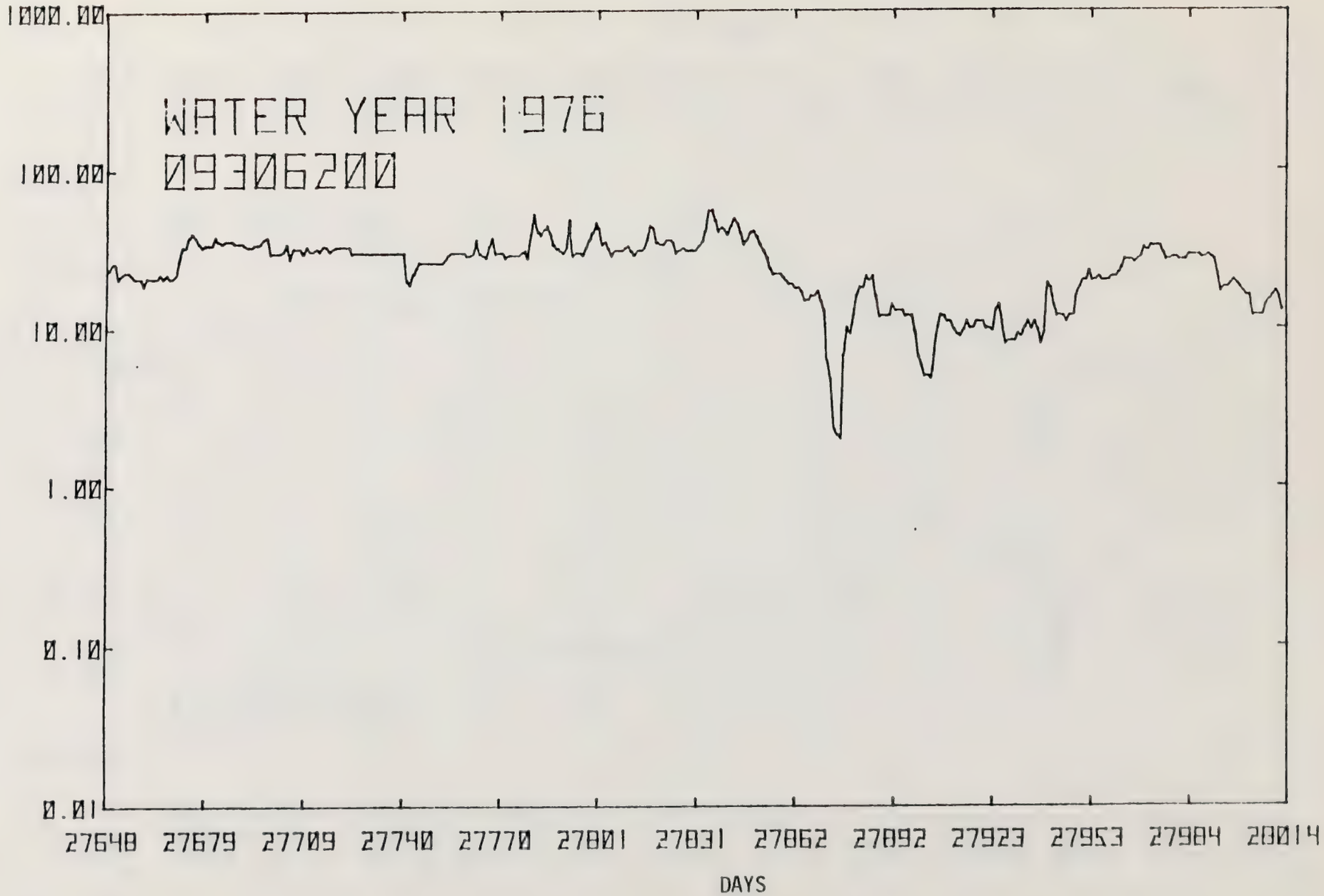
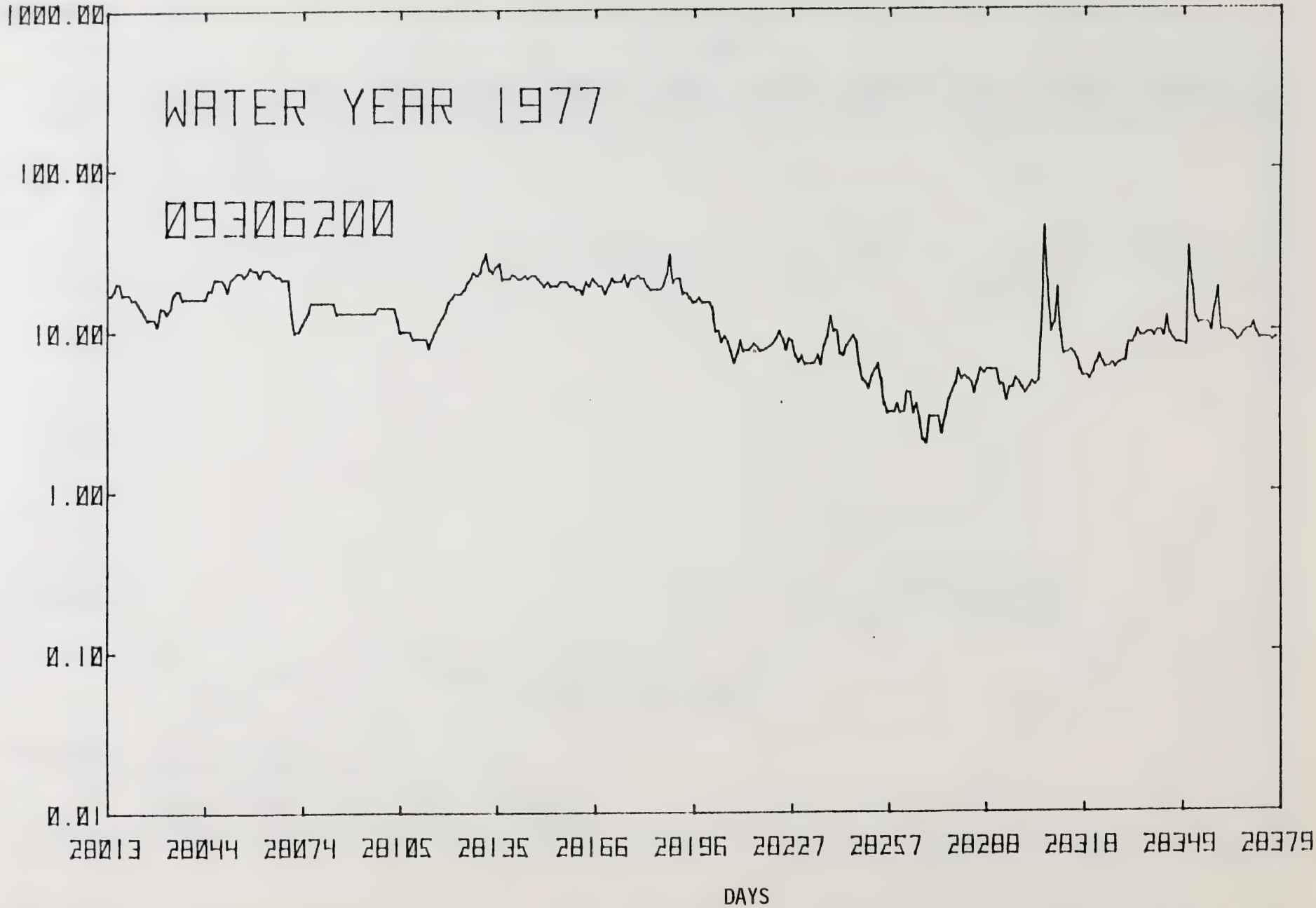
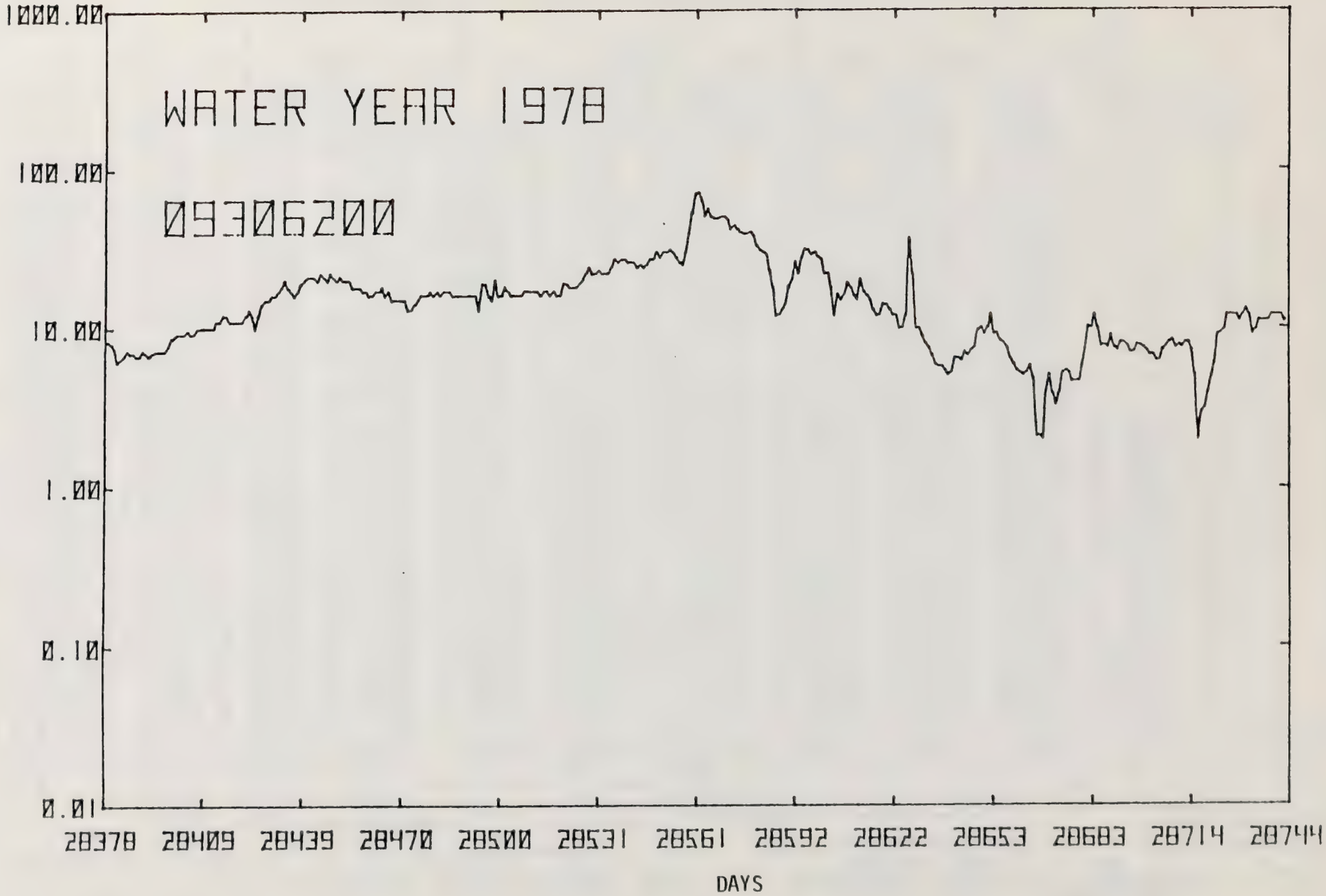

WATER YEAR 1976
09306200
1000.00
100.00
10.00
1.00
0.10
0.01
DISCHARGE (CFS)
27648
27679
27709
27740
27770
27801
27831
27862
27892
27923
27953
27984
28014
DAYS

Figure II A-6: STREAM FLOW AT USGS STATION 09306200 (WU00)




WATER YEAR 1978
09306200
1000.00
100.00
10.00
1.00
0.10
0.01
DISCHARGE (CFS)
28378
28409
28439
28470
28500
28531
28561
28592
28622
28653
28683
28714
28744
DAYS

Daily Gage Height, in Feet, and Discharge, in Second-Feet, of PICEANCE CR BELOW RYAN GULCH ~~River~~ ~~Creek~~

Near RIO BLANCO, COLORADO for the Year Ending September 30, 1979

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

PICEANCE CR. BL. RYAN GULCH 1979

File Number { Washington 09306200 / District

Drainage Area 485 Square Miles. Water-Stage Recorder CONTINUOUS Ratio 1 : 6 Gage Read to ..... Once / Twice a Day by .....

Used rating table dated No. 5

Gage heights used to half tenths between ..... and ..... for hundredths below and tenths above these limits.

Max. Disch. ..... Sec.-ft. at ..... on ..... (G. H. ..... ft.). Max. G. H. ..... ft. on .....
Min. Disch. ..... Sec.-ft. on ..... (G. H. ..... ft.). Min. G. H. ..... ft. on .....

Day	October Gage height	October Discharge	November Gage height	November Discharge	December Gage height	December Discharge	January Gage height	January Discharge	February Gage height	February Discharge	March Gage height	March Discharge
1	2.62	10	2.69	12	2.91	20	4.04	13	4.97	12	2.81	19
2	2.61	10	2.69	12	2.92	20	4.37	13	5.21	13	2.82	19
3	2.58	9.2	2.68	12	2.91	20	4.55	13	4.87	14	2.82	19
4	2.56	8.3	2.68	12	2.00	20	4.74	12	5.09	15	2.81	19
5	2.57	8.6	2.68	12	2.86	20	4.61	12	4.49	16	2.84	20
6	2.56	8.3	2.71	12	2.85	20	4.54	11	5.25	16	2.84	20
7	2.61	9.9	2.76	14.	2.83	20	4.30	11	5.34	17	2.85	20
8	2.61	9.9	2.81	16	2.82	20	3.63	11	5.15	18	2.90	22
9	2.62	10	2.86	17.	2.98	20	5.20	10	5.07	19	2.86	20
10	2.62	10	2.87	18	3.00	19	4.98	10	4.97	20	2.85	20
11	2.61	9.9	2.95	21.	2.90	19	4.84	9.4	5.13	20	2.85	20
12	2.62	9.9	3.09	35	2.99	19	4.83	9.0	5.02	21	2.90	22
13	2.63	10.	3.03	26,	3.00	19	4.83	8.6	5.09	22	2.94	23
14	2.64	10.	2.99	24	3.07	19	4.13	8.2	3.81	23	2.95	24
15	2.60	9.2	2.98	23.	3.15	19	5.18	7.8	2.86	22	2.96	24
16	2.60	9.2	2.99	24	3.15	19	5.12	7.4	2.83	20	3.01	27
17	2.59	8.9	2.99	24	3.22	19	5.10	7.0	2.83	20	3.04	28
18	2.58	8.6	2.96	22.	3.45	19	5.07	6.6	2.82	20	2.98	25
19	2.61	9.2	2.95	22.	3.46	19	5.02	6.2	2.89	20	2.94	23
20	2.63	99	2.95	22.	3.63	18	4.88	5.8	2.83	20	2.92	22
21	2.65	10.5	2.94	22	3.54	18	4.39	5.4	2.82	20	2.93	22
22	2.64	10.	2.92	21	3.80	17	5.17	5.0	2.81	19	2.95	23
23	2.67	12	2.91	20	4.00	17	4.06	4.9	2.80	19	2.92	22
24	2.68	12	2.93	21	3.83	17	4.60	5.7	2.80	19	2.93	22
25	2.68	12	2.93	21	3.77	16	5.30	6.5	2.79	18	2.93	22
26	2.68	12	2.92	21	3.75	16	5.29	7.4	2.79	18	2.94	23
27	2.68	12	2.92	21	4.18	15	4.28	8.2	2.80	19	2.94	23
28	2.68	12	2.94	22	4.81	15	4.87	9.0	2.81	19	2.95	23
29	2.68	12	2.90	20	4.50	15	5.13	9.8			2.98	25
30	2.68	12	2.90	20	4.45	14	4.30	11			2.97	24
31	2.69	12			3.96	14	4.18	11			2.97	24
Total		317		589		562		275.9		519.0		689.0

Day	April Gage height	April Discharge	May Gage height	May Discharge	June Gage height	June Discharge	July Gage height	July Discharge	August Gage height	August Discharge	September Gage height	September Discharge
1	2.96	24	3.36	51	4.22	95	2.73	15	2.97	25		
2	2.95	23	3.35	51	4.11	88	2.58	9.6	3.00	27		
3	2.93	22	3.52	60	4.03	82	2.56	8.9	3.02	28		
4	2.93	22	3.51	60	4.01	81	2.63	11	3.00	27		
5	2.95	23	3.37	53	3.77	68	2.64	12	3.04	29		
6	2.94	23	3.37	53	3.64	62	2.61	11	3.10	34		
7	2.93	22	3.59	66	3.61	60	2.60	10	S	35		
8	2.96	24	3.81	82	3.55	56	2.63	11	3.24	40		
9	3.05	29	3.88	82	3.65	62	2.66	12	3.19	37		
10	3.29	42	3.89	82	3.60	60	2.65	12	3.26	41		
11	3.26	40	3.89	82	3.51	55	2.64	11	3.23	39		
12	3.15	34	4.05	91	3.43	51	2.59	8.3	3.24	40		
13	3.15	34	4.15	98	3.35	46	2.56	8.6	3.25	40		
14	3.23	39	4.23	105	3.41	50	2.58	9.2	2.64			
15	3.22	38	4.26	104	3.36	47	2.62	11				
16	3.34	45	4.30	105	3.21	39	2.64	11				
17	3.42	49	4.35	106	3.14	35	2.64	11				
18	3.52	55	4.39	98	3.10	33	2.65	12				
19	3.56	57	4.46	115	3.06	31	2.66	12				
20	3.52	55	4.54	123	3.08	33	2.66	12				
21	3.41	49	4.58	127	3.02	29	2.74	15				
22	3.37	47	4.48	117	2.93	24	2.73	14				
23	3.35	46	4.49	119	2.93	24	2.74	15				
24	3.33	46	4.55	125	2.94	25	2.77	16				
25	3.37	48	4.58	128	2.90	22	2.72	14				
26	3.38	50	4.55	126	2.85	20	2.75	15				
27	3.36	49	4.53	124	2.83	19	2.94	23				
28	3.38	50	4.52	123	2.82	19	2.92	22				
29	3.41	52	4.48	119	2.82	19	2.82	18				
30	3.43	54	4.47	119	2.79	18	2.85	19				
31			4.34	106			2.91	22				
Total		1,191		3,000		1,359		411.6				

Mean .....
Second-feet per square mile .....
Run-off in inches .....
Run-off in acre-feet .....
Maximum .....
Minimum .....

PRELIMINARY DATA SUBJECT TO REVISION

PRELIMINARY DATA SUBJECT TO REVISION

Period ..... Year .....
Quarter ..... First ..... Second ..... Third ..... Fourth .....
G. H. copied ..... Disch. copied ..... Computed ..... Checked .....

II A-398 PRELIMINARY

II A-406

GPO 857 567

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306200 - PICEANCE CREEK BL RYAN GULCH, NR RIO BLANCO, CO, DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	TEMPER-ATURE (DEG C)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	SURFACE AREA (SQ MI)	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	OXYGEN, DIS-SOLVED (MG/L)	PH (UNITS)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	ALKA-LINITY (MG/L AS CACO3)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)
OCT												
24...	1015	4.0	80020	485	12	1800	11.7	8.1	9.5	620	750	0
NOV												
21...	1300	4.0	80020	485	19	1500	12.6	8.1	7.5	480	590	0
DEC												
11...	1200	.5	80020	485	16	1650	12.0	7.6	23	480	580	0
JAN												
23...	1050	.0	80020	485	4.9	1950	10.6	8.0	12	620	760	0
FEB												
27...	1435	4.0	80020	485	19	1600	10.4	8.3	4.3	430	530	0
MAR												
29...	1225	6.5	80020	485	28	1500	9.7	8.6	2.5	500	610	0
APR												
18...	1230	11.0	80020	485	--	870	8.5	7.9	7.3	300	360	0
MAY												
17...	1015	10.0	80020	485	--	890	8.5	8.0	6.2	320	390	0
JUL												
16...	1300	18.0	80020	485	--	2000	8.1	8.2	8.2	660	810	0

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306200 - PICEANCE CREEK BL RYAN GULCH, NR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4)
OCT 24...	.48	.36	--	.01	.01	.10	.37	.11	.14	--	.00
NOV 21...	.76	.40	--	.02	.01	.33	.42	.34	.40	--	.09
DEC 11...	.95	.40	.02	.05	.01	.49	.45	.50	.54	--	.09
JAN 23...	.98	.49	--	.10	.02	.37	.59	.39	.38	--	.12
FEB 27...	1.3	.90	--	.06	.02	.33	.96	.35	.37	--	.03
MAR 29...	.93	.75	--	.03	.02	.13	.78	.15	.17	--	.00
APR 18...	4.8	4.0	--	.09	.06	.63	4.1	.69	.70	2.9	.00
MAY 17...	6.6	4.9	--	.03	.04	1.7	4.9	1.7	1.6	.18	.00
JUL 16...	.59	.54	--	.02	.02	.01	.56	.03	.00	.21	.15

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306200 - PICEANCE CREEK BL RYAN GULCH, NR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM AD-SORP-TION RATIO	SODIUM PERCENT	SODIUM+ POTAS-SIUM DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
OCT											
24...	.04	.00	640	21	88	100	250	4.3	46	--	3.7
NOV											
21...	.09	.03	520	36	80	77	170	3.3	42	--	2.9
DEC											
11...	.11	.03	530	58	82	79	180	3.4	42	--	3.5
JAN											
23...	.14	.04	580	0	83	89	240	4.4	47	--	4.4
FEB											
27...	.12	.01	530	95	84	77	150	2.8	38	--	2.8
MAR											
29...	.12	.00	540	40	90	76	160	3.0	39	--	2.9
APR											
18...	.94	.00	300	8	55	40	97	2.4	41	--	2.8
MAY											
17...	2.2	.00	340	15	66	41	88	2.1	36	91	3.1
JUL											
16...	.06	.05	720	59	90	120	260	4.2	44	260	4.0

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306200 - PICEANCE CREEK BL RYAN GULCH, NR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)
OCT 24...	18	510	.8	16	3	--	0	--	--	260	0
NOV 21...	12	370	.7	17	2	--	70	--	--	210	3
DEC 11...	13	390	.8	18	2	--	70	--	--	230	<1
JAN 23...	19	440	.9	19	2	--	80	--	--	250	2
FEB 27...	20	360	.7	16	2	--	100	--	--	180	1
MAR 29...	12	360	.7	13	2	--	100	--	--	170	0
APR 18...	9.3	190	.5	11	2	16	0	1200	1200	130	0
MAY 17...	9.9	180	.5	14	3	--	100	--	--	110	0
JUL 16...	19	530	.8	20	3	--	0	--	--	200	0

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306200 - PICEANCE CREEK BL RYAN GULCH, NR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT											
24...	--	--	--	--	1	--	--	--	--	30	1
NOV											
21...	--	--	--	--	2	--	--	--	--	70	4
DEC											
11...	--	--	--	--	3	--	--	--	--	30	5
JAN											
23...	--	--	--	--	2	--	--	--	--	20	24
FEB											
27...	--	--	--	--	2	--	--	--	--	30	4
MAR											
29...	--	--	--	--	0	--	--	--	--	30	0
APR											
18...	0	0	110	17	2	65	67	81000	81000	0	0
MAY											
17...	--	--	--	--	0	--	--	--	--	10	0
JUL											
16...	--	--	--	--	2	--	--	--	--	20	0

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306200 - PICEANCE CREEK BL RYAN GULCH, NR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)
OCT											
24...	--	--	--	--	90	--	--	--	3900	10	--
NOV											
21...	--	--	--	--	70	--	--	--	3000	10	--
DEC											
11...	--	--	--	--	60	--	--	--	3000	10	--
JAN											
23...	--	--	--	--	80	--	--	--	3200	4	--
FEB											
27...	--	--	--	--	0	--	--	--	2900	20	--
MAR											
29...	--	--	--	--	50	--	--	--	2500	20	--
APR											
18...	48	48	2400	2400	30	2	68	0	1400	10	250
MAY											
17...	--	--	--	--	20	--	--	--	1300	10	--
JUL											
16...	--	--	--	--	90	--	--	--	4000	20	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 09/13/79
09306200 - PICEANCE CREEK BL RYAN GULCH, NR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	LITHIUM DISSOLVED (UG/L AS LI)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, TOTAL (UG/L AS SE)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, (COLS. PER 100 ML)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)
OCT											
24...	--	10	1	--	--	--	--	--	--	.10	1360
NOV											
21...	--	10	2	--	--	--	--	--	--	.20	1030
DEC											
11...	--	10	2	--	--	--	--	--	0	.10	1060
JAN											
23...	--	20	1	--	--	--	--	--	--	.00	1280
FEB											
27...	--	20	1	--	--	--	--	--	--	.00	977
MAR											
29...	--	10	1	--	--	--	--	--	--	.00	1020
APR											
18...	260	8	1	2	3	10000	8500	2500	0	.00	588
MAY											
17...	--	4	2	--	--	--	--	--	--	.10	603
JUL											
16...	--	8	0	--	--	--	--	--	--	.00	1450

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306200 - PICEANCE CREEK BL RYAN GULCH, NR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	NITRO-GEN, TOTAL (MG/L AS NO3)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ELEV. OF LAND SURFACE DATUM (FT. NGVD)
OCT 24...	44	1.85	.03	--	--	--	2.1	.0	--	--	6070.00
NOV 21...	52	1.40	.03	--	--	--	3.4	.0	--	--	6070.00
DEC 11...	45	1.44	.04	--	.03	--	4.2	.0	--	--	6070.00
JAN 23...	16	1.74	.07	--	--	--	4.3	.0	--	--	6070.00
FEB 27...	50	1.33	.05	--	--	--	5.8	.0	--	--	6070.00
MAR 29...	77	1.39	.03	--	--	--	4.1	.0	--	--	6070.00
APR 18...	--	.80	.09	.11	--	2.9	21	.0	.0	.0	6070.00
MAY 17...	--	.82	.06	.04	--	6.7	29	.0	--	--	6070.00
JUL 16...	--	1.97	.07	.02	--	.18	2.6	.0	--	--	6070.00

USGS WATER GAUGING STATION 09306222
Piceance Creek at White River

A. DAILY TABLES

1. Discharge (Flow)

B. WATER QUALITY DATA
PROCESS DATE 9/13/79

Daily Gage Height, in Feet, and Discharge, in Second-Feet, of PICEANCE Creek

Near White River for the Year Ending September 30, 1977.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

File Number: Washington 09306222; District

Used rating table dated

Drainage Area 63 Square Miles. Water-Stage Recorder CONTINUOUS Ratio 1 : 6

Gage Read to Once/Twice a Day by

Gage heights used to half tenths between and feet; hundredths below and tenths above these limits.

Day	October Gage height	October Discharge	November Gage height	November Discharge	December Gage height	December Discharge	January Gage height	January Discharge	February Gage height	February Discharge	March Gage height	March Discharge
1	2.06	7.7	2.26	18	2.32	23	3.20	24	2.63	23	2.27	25
2	2.05	7.7	2.26	18	2.30	22	"a"	24	2.33	23	2.27	26
3	2.05	7.7	2.25	18	2.25	22	3.63	24	2.27	23	2.27	26
4	2.05	7.7	2.25	18	2.50	22	3.77	23	2.36	23	2.26	26
5	2.05	7.7	2.25	18	2.45	22	3.90	23	2.27	23	2.26	26
6	2.03	7.4	2.25	19	2.68	23	3.96	23	2.27	23	2.27	27
7	2.03	7.4	2.26	19	3.25	24	3.94	23	2.35	23	2.27	28
8	2.05	8.0	2.30	22	"a" Clock stopped	24	3.23	23	2.50	24	2.31	30
9	2.05	8.2	2.35	24		25	3.00	23	2.49	24	2.32	31
10	2.06	8.4	2.35	24	"a"	25	2.82	23	2.30	24	2.32	31
11	2.06	8.4	2.34	24	3.32	26	3.12	22	2.31	24	2.30	31
12	2.05	8.4	2.45	30	3.05	27	3.15	22	2.36	24	2.35	34
13	2.06	8.7	2.49	33	3.00	27	3.10	22	2.42	24	2.40	37
14	2.08	8.7	2.45	31	2.90	27	2.84	22	2.49	24	2.43	40
15	2.07	9.3	2.43	30	2.95	27	2.70	22	2.43	24	2.46	42
16	2.07	9.3	2.40	28	3.05	27	2.48	21	2.51	24	2.50	45
17	2.06	9.0	2.40	28	3.00	27	2.41	21	2.73	25	2.56	49
18	2.01	8.0	2.38	28	3.25	27	2.73	21	2.57	25	2.47	43
19	2.04	8.7	2.38	28	3.35	27	2.83	21	2.55	25	2.43	42
20	2.05	9.0	2.38	28	3.45	26	2.64	21	2.60	25	2.43	42
21	2.08	10	2.38	28	3.55	26	2.40	21	2.44	25	2.44	43
22	2.10	11	2.36	28	3.50	26	2.58	21	2.29	25	2.45	44
23	2.10	11	2.36	26	3.70	26	2.31	22	2.25	24	2.42	43
24	2.13	12	2.35	26	3.75	26	2.29	22	2.31	26	2.43	43
25	2.22	15	2.41	26	3.65	26	2.30	22	2.29	25	2.41	43
26	2.22	15	2.35	25	3.35	25	2.38	22	2.29	25	2.40	43
27	2.25	17	2.33	25	3.20	25	2.28	22	2.28	25	2.40	43
28	2.27	18	2.32	24	3.70	25	2.27	22	2.27	25	2.45	46
29	2.27	18	2.36	24	4.07	25	2.30	22			2.46	47
30	2.27	18	2.38	23	4.35	24	2.27	22			2.44	46
31	2.27	18			4.07	24	2.42	22			2.44	47
Total	328.4		743.19		778.0		688.0		677		1,169	

Day	April Gage height	April Discharge	May Gage height	May Discharge	June Gage height	June Discharge	July Gage height	July Discharge	August Gage height	August Discharge	September Gage height	September Discharge
1	2.43	46	2.61	71	4.07		2.88					
2	2.41	46	2.57	69	4.00		2.85					
3	2.38	44	2.67	77	3.91		2.82					
4	2.36	43	2.69	80	3.92		2.80					
5	2.37	45	2.60	73	3.86		2.79					
6	2.36	44	2.58	72	3.79		2.79					
7	2.35	44	2.60	74	3.74		2.76					
8	2.37	45	2.93	100	3.69		2.73					
9	2.45	51	3.01	108	3.82		2.74					
10	2.56	59	3.01	110	3.76		2.73					
11	2.66	66	2.96	106	3.66							
12	2.53	57	3.04	115	3.54							
13	2.51	56	3.08	120	3.46							
14	2.54	59	3.22	134	3.39							
15	2.55	60	3.21	134	3.38							
16	2.62	65	3.24	139	3.42							
17	2.68	70	3.25	141	3.39							
18	2.76	76	3.30	148	3.33							
19	2.79	79	3.35	148	3.26							
20	2.75	76	3.47	165	3.21							
21	2.68	71	3.55	173	3.12							
22	2.65	70	3.80		3.08							
23	2.63	69	3.67		3.06							
24	2.62	69	3.75		3.00							
25	2.64	71	3.86		3.02							
26	2.62	70	3.90		3.00							
27	2.60	69	3.86		2.96							
28	2.60	69	4.02		2.92							
29	2.60	70	4.12		2.92							
30	2.62	72	4.20		2.90							
31			4.16									
Total	1,834											

Max. Disch. ..... Min. Disch. ..... Sec.-ft. at ..... Sec.-ft. on ..... (G. H. ..... ft. on ..... (G. H. ..... ft. on ..... Max. G. H. ..... ft. at ..... Min. G. H. ..... ft. on .....

S- Discharge Subdivided, V- VARIABLE SHIFT, Discharge ESTIMATED FOR "a"-
No. GAGE HEIGHT RECORD "b" - ICE EFFECT

CALENDAR YEAR

Mean
Second feet per square mile
Run-off in inches
Run-off in acre-feet
Maximum
Minimum

PEAK DISCHARGE (BASE 100 CFS)

PRELIMINARY DATA SUBJECT TO REVISION

PRELIMINARY DATA SUBJECT TO REVISION

Quarter: First Record, Second Record, Third Record, Fourth Record — Period Year

Computed ..... Checked ..... Date .....

Quarter: First, Second, Third, Fourth — Disch. applied ..... Disch. checked ..... Date .....

Quarter: First, Second, Third, Fourth — G. H. copied ..... G. H. checked ..... Date .....

II A-416

GPO 857 567

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306222 - PICEANCE CREEK AT WHITE RIVER, CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	TEMPERATURE (DEG C)	AGENCY ANALYZING SAMPLE (CODE NUMBER)	SURFACE AREA (SQ MI)	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	OXYGEN, DISSOLVED (MG/L)	PH (UNITS)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	ALKALINITY (MG/L AS CACO3)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)
OCT 24...	1250	5.5	80020	629	14	2800	11.9	8.2	12	960	1170	0
NOV 22...	1100	1.5	80020	629	29	2000	12.2	8.0	13	670	820	0
DEC 11...	1015	.5	80020	629	20	2400	10.4	7.5	52	840	1020	0
JAN 23...	0845	.5	80020	629	18	2520	--	8.1	16	1010	1230	0
FEB 27...	0900	.5	80020	629	26	2000	11.7	8.4	6.3	810	840	72
MAR 29...	1330	6.5	80020	629	33	2150	9.9	8.7	3.0	760	930	0
APR 18...	1330	14.0	80020	629	--	1350	7.5	7.9	12	480	590	0
MAY 17...	0900	10.5	80020	629	--	1075	8.3	8.0	7.5	390	470	0
JUL 16...	1345	21.5	80020	629	--	3000	7.5	8.6	5.7	1160	1320	47

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306222 - PICEANCE CREEK AT WHITE RIVER, CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4)
OCT 24...	.84	.82	--	.01	.01	.00	.83	.01	.02	--	.00
NOV 22...	--	--	--	.08	.01	.34	--	.35	.37	--	.31
DEC 11...	1.3	.64	.08	.11	.02	.49	.75	.51	.57	--	.18
JAN 23...	1.2	.57	--	.23	.02	.40	.80	.42	.44	--	.21
FEB 27...	--	--	--	--	--	--	--	--	.41	--	.09
MAR 29...	2.1	1.7	--	.11	.02	.23	1.8	.25	.27	--	.00
APR 18...	3.3	2.3	--	.10	.08	.81	2.4	.89	.84	2.4	.09
MAY 17...	5.3	3.8	--	.05	.06	1.4	3.8	1.5	1.4	4.3	.03
JUL 16...	.92	.84	--	.06	.02	.00	.90	.02	.01	.15	.15

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306222 - PICEANCE CREEK AT WHITE RIVER, CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM AD-SORP-TION RATIO	SODIUM PERCENT	SODIUM+ POTAS-SIUM DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
OCT											
24...	.17	.00	600	0	58	110	490	8.7	64	--	4.7
NOV											
22...	.36	.10	510	0	68	81	290	5.6	55	--	3.6
DEC											
11...	.15	.06	590	0	82	92	350	6.3	56	--	5.0
JAN											
23...	.29	.07	550	0	73	89	460	8.5	64	--	5.9
FEB											
27...	--	.03	500	0	70	79	360	7.0	61	--	3.7
MAR											
29...	.56	.00	510	0	72	80	350	6.8	60	--	3.5
APR											
18...	.79	.03	370	0	60	54	200	4.5	54	--	3.1
MAY											
17...	1.4	.01	340	0	60	45	140	3.3	47	--	3.5
JUL											
16...	.07	.05	580	0	49	110	570	10	68	570	4.9

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306222 - PICEANCE CREEK AT WHITE RIVER, CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)
OCT 24...	52	590	1.2	13	4	--	200	--	--	420	1
NOV 22...	35	420	.9	16	3	--	100	--	--	320	2
DEC 11...	42	460	1.2	18	3	--	200	--	--	350	1
JAN 23...	62	440	1.4	17	3	--	200	--	--	370	1
FEB 27...	48	400	1.1	16	3	--	100	--	--	280	1
MAR 29...	39	420	1.1	13	3	--	100	--	--	300	0
APR 18...	23	260	.8	12	3	8	0	500	500	230	0
MAY 17...	17	200	.6	14	3	--	100	--	--	160	0
JUL 16...	67	600	1.4	12	4	--	100	--	--	460	1

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306222 - PICEANCE CREEK AT WHITE RIVER, CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT											
24...	--	--	--	--	3	--	--	--	--	50	0
NOV											
22...	--	--	--	--	9	--	--	--	--	20	4
DEC											
11...	--	--	--	--	3	--	--	--	--	760	5
JAN											
23...	--	--	--	--	5	--	--	--	--	60	6
FEB											
27...	--	--	--	--	4	--	--	--	--	40	3
MAR											
29...	--	--	--	--	0	--	--	--	--	300	0
APR											
18...	0	0	40	10	3	49	52	27000	27000	40	0
MAY											
17...	--	--	--	--	0	--	--	--	--	10	0
JUL											
16...	--	--	--	--	2	--	--	--	--	10	0

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306222 - PICEANCE CREEK AT WHITE RIVER, CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)
OCT											
24...	--	--	--	--	40	--	--	--	3000	10	--
NOV											
22...	--	--	--	--	40	--	--	--	2700	10	--
DEC											
11...	--	--	--	--	60	--	--	--	3000	20	--
JAN											
23...	--	--	--	--	40	--	--	--	2600	30	--
FEB											
27...	--	--	--	--	60	--	--	--	2300	20	--
MAR											
29...	--	--	--	--	40	--	--	--	2200	20	--
APR											
18...	45	45	820	830	10	7	32	2	1800	10	120
MAY											
17...	--	--	--	--	20	--	--	--	1400	10	--
JUL											
16...	--	--	--	--	10	--	--	--	2400	10	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306222 - PICEANCE CREEK AT WHITE RIVER, CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	LITHIUM DISSOLVED (UG/L AS LI)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, TOTAL (UG/L AS SE)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, (COLS. PER 100 ML)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)
OCT											
24...	--	30	1	--	--	--	--	--	--	.10	1900
NOV											
22...	--	20	2	--	--	--	--	--	--	.10	1320
DEC											
11...	--	40	2	--	--	--	--	--	0	.10	1560
JAN											
23...	--	50	1	--	--	--	--	--	--	.00	1760
FEB											
27...	--	30	1	--	--	--	--	--	--	.00	1470
MAR											
29...	--	30	1	--	--	--	--	--	--	.00	1440
APR											
18...	130	10	2	0	2	4200	1000	900	0	.00	910
MAY											
17...	--	10	2	--	--	--	--	--	--	.20	720
JUL											
16...	--	30	0	--	--	--	--	--	--	.10	2120

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306222 - PICEANCE CREEK AT WHITE RIVER, CO.

PROCESS DATE 09/13/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	NITRO-GEN, TOTAL (MG/L AS NO3)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ELEV. OF LAND SURFACE DATUM (FT. NGVD)
OCT											
24...	76	2.58	.03	--	--	--	3.7	.0	--	--	5730.00
NOV											
22...	103	1.80	.05	--	--	--	--	.0	--	--	5730.00
DEC											
11...	84	2.12	.07	--	.10	--	5.6	.0	--	--	5730.00
JAN											
23...	85	2.39	.14	--	--	--	5.4	.0	--	--	5730.00
FEB											
27...	106	2.00	--	--	--	--	--	.0	--	--	5730.00
MAR											
29...	131	1.96	.08	--	--	--	9.1	.0	--	--	5730.00
APR											
18...	--	1.24	.09	.12	--	2.4	15	.0	.0	.0	5730.00
MAY											
17...	--	.98	.06	.06	--	4.3	23	.0	--	--	5730.00
JUL											
16...	--	2.88	.05	.07	--	.21	4.1	.0	--	--	5730.00

USGS WATER GAUGING STATION 09306255
Yellow Creek Near White River

A. DAILY TABLES

1. Discharge (Flow)

B. WATER QUALITY DATA
PROCESS DATE 8/17/79

Daily Gage Height and Discharge, in Second-Feet, of YELLOW Creek

— WHITE RIVER, CO. for the Year Ending September 30, 1979

Drainage Area 262 Square Miles. Water-Stage Recorder CONTINUOUS Ratio 1 : 6

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

Gage Read to ... Once / Twice a Day by ...

YELLOW CK., NR. WHITE RIVER.

File Number { Washington 09306255 / District

Used rating table dated

Gage heights used to half tenths between ... and ... feet; hundredths below and tenths above these limits.

Day	Oct Gage height	Oct Discharge	Nov Gage height	Nov Discharge	Dec Gage height	Dec Discharge	Jan Gage height	Jan Discharge	Feb Gage height	Feb Discharge	Mar Gage height	Mar Discharge	Apr Gage height	Apr Discharge	May Gage height	May Discharge	June Gage height	June Discharge	July Gage height	July Discharge	Aug Gage height	Aug Discharge	Sept Gage height	Sept Discharge
1	5.32	.28	5.43	.94	4.95	.60		0	4.73	.01	4.80	1.4	5.26	3.6	5.22	2.8	"a"	2.0		1.7	5.06	1.5		
2	5.32	.26	5.42	.94	4.83	.60	a	0	4.65	.01	4.81	1.5	5.22	2.8		2.8		2.0		1.8	5.06	1.5		
3	5.33	.28	5.42	.87	4.78	.60	a	0	4.62	0	4.82	1.7	5.20	2.3		2.9		2.0	5.17	1.8				
4	5.34	.30	5.42	1.0	4.81	.60		0	4.62	0	4.80	1.9	5.21	2.2		3.0		2.0	a	1.8				
5	5.35	.32	5.42	1.0	4.76	.60		0	4.63	0	4.80	2.1	5.21	2.2		3.2		1.9		1.8				
6	5.35	.30	5.43	1.1		.60		0	4.62	0	4.84	2.2	5.21	2.2		3.3		1.9		1.8				
7	5.35	.30	5.43	1.2		.50		0	4.58	0	4.99	2.4	5.18	2.0	5.25	3.2		1.9		1.8				
8	5.35	.30	5.42	1.2		.15		0	4.62	.01	5.01	2.5	5.16	1.9	5.27	3.5		1.9		1.8				
9	5.35	.28	5.41	1.1		.10		0	4.62	.02	4.99	2.5	5.15	1.9	5.26	3.4		1.9		1.8				
10	5.35	.28	5.41	1.1		.06		0	4.64	.01	4.93	2.1	5.26	2.6	5.22	3.1		1.8	a	1.8				
11	5.36	.32	5.47	1.1		.06		0	4.65	.05	4.95	2.2	5.28	2.8	5.21	2.9		1.8	5.12	1.7				
12	5.37	.36	5.57	1.0		.06		0	4.66	.06	5.00	2.6	5.19	2.2	5.20	2.8	"a"	1.8		1.7				
13	5.38	.40	5.50	1.0	a	.06		0	4.67	.07	5.12	3.6	5.18	2.2	5.19	2.7	5.14	1.7		1.7				
14	5.38	.42	5.48	1.0	4.50	.02		0	4.68	.08	5.08	3.2	5.17	2.1	5.18	2.6	5.14	1.7		1.7				
15	5.37	.42	5.45	.90		0	4.87	.02	4.68	.10	5.10	3.4	5.18	2.2	5.17	2.5	5.15	1.8		1.7				
16	5.37	.44	5.46	.90		0	5.12	.02	4.68	.11	5.13	3.7	5.18	2.2	5.17	2.5	5.15	1.8	a	1.7				
17	5.37	.46	5.48	.80		0	5.37	.02	4.69	.12	5.11	3.5	5.18	2.2	5.16	2.4	5.15	1.8	5.12	1.7				
18	5.37	.48	5.20	.70		0	4.98	.02	4.69	.13	5.04	2.9	5.18	2.2	5.16	2.4	"a"	1.8	a	1.7				
19	5.37	.50	4.85	.70		0	5.63	.02	4.71	.14	5.03	2.8	5.19	2.4	5.16	2.4	a	1.8	a	1.7				
20	5.38	.54	4.87	.70		0	5.95	.02	4.72	.16	5.06	3.1	5.18	2.3	5.15	2.3	5.15	1.8	5.12	1.7				
21	5.40	.60	4.86	.70		0	5.60	.02	4.73	.17	5.09	3.3	5.18	2.3	5.15	2.2	a	1.8	S	20				
22	5.40	.62	4.93	.70		0	4.86	.02	4.75	.18	5.15	4.0	5.19	2.4	5.14	2.2		1.8	S	7.1				
23	5.40	.64	4.87	.70		0	5.02	.02	4.77	.35	5.04	2.9	5.20	2.5	5.15	2.2		1.7	5.10	1.6				
24	5.41	.68	4.83	.70		0	4.90	.01	4.75	.52	5.04	2.9	5.21	2.6	5.17	2.3		1.7	5.10	1.6				
25	5.42	.73	4.85	.60		0	4.53	.01	4.78	.69	5.04	2.9	5.21	2.5	5.17	2.3		1.7	5.10	1.7				
26	5.43	.79	4.87	.60		0	4.90	.01	4.77	.86	5.05	3.0	5.21	2.5	5.15	2.2	a	1.7	5.07	1.5				
27	5.42	.76	4.90	.60		0	5.10	.01	4.77	1.0	5.04	2.9	5.21	2.5	5.15	2.1	5.13	1.6	5.07	1.5				
28	5.41	.76	4.95	.60		0	5.45	.01	4.79	1.2	S	8.1	5.20	2.6	5.16	2.2	5.14	1.7	5.06	1.5				
29	5.41	.79	4.97	.60		0	5.05	.01			5.31	6.9	5.21	2.7	5.16	2.2	5.14	1.7	5.05	1.4				
30	5.42	.85	4.88	.60		0	4.75	.01			5.25	4.7	5.21	2.7	5.16	2.1	5.13	1.6	5.05	1.4				
31	5.43	.91				0	4.85	.01			5.37	6.1			5.15	2.0			5.05	1.4				
Total		15.37		25.82		4.6		.26		4.6		99.0		71.8		80.7		54.1		75.6				
Mean																								
Second feet per square mile																								
Run-off in inches																								
Run-off in acre-feet																								
Maximum																								
Minimum																								

Notes on record: December — Clock stoppage. May — Clock stopped. June — Clock stopped; RIS .05. July — Clock stop; Problems with clock.

PRELIMINARY DATA SUBJECT TO REVISION

PRELIMINARY DATA SUBJECT TO REVISION

S- Discharge computed
V- Variable shift
* Computed

Water Year 1978

WATER YEAR 1979

Quarter	Computed	Checked	Date
First–Fourth			8-17-77

II A-426

GPO 857 567

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306255 - YELLOW CREEK NEAR WHITE RIVER, CO.

PROCESS DATE 08/17/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	TEMPERATURE (DEG C)	AGENCY ANALYZING SAMPLE (CODE NUMBER)	SURFACE AREA (SQ MI)	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	PH (UNITS)	ALKALINITY (MG/L AS CACO3)	CARBON, ORGANIC DISSOLVED (MG/L AS C)
OCT											
24...	1320	13.5	80020	262	.30	4200	9.5	--	8.4	--	--
NOV											
22...	0900	.5	80020	262	.70	4600	14.2	--	8.3	--	--
DEC											
06...	0940	.5	80020	262	.60	4400	10.8	--	8.0	--	--
JAN											
24...	1515	.0	80020	262	.02	5200	11.0	--	8.5	--	--
FEB											
23...	1000	.5	80020	262	.18	4500	12.2	--	8.8	--	--
MAR											
28...	0940	2.0	80020	262	11	1800	11.4	--	8.6	--	--
APR											
24...	1300	--	80020	262	--	--	--	2.1	--	--	--
JUL											
17...	1000	27.5	80020	262	--	3650	8.5	--	8.5	1530	13

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09305255 - YELLOW CREEK NEAR WHITE RIVER, CO.

PROCESS DATE 08/17/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	TEMPERATURE (DEG C)	AGENCY ANALYZING SAMPLE (CODE NUMBER)	SURFACE AREA (SQ MI)	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	PH (UNITS)	ALKALINITY (MG/L AS CACO3)	CARBON, ORGANIC DISSOLVED (MG/L AS C)
OCT											
24...	1320	13.5	80020	262	.30	4200	9.5	--	8.4	--	--
NOV											
22...	0900	.5	80020	262	.70	4600	14.2	--	8.3	--	--
DEC											
06...	0940	.5	80020	262	.60	4400	10.8	--	8.0	--	--
JAN											
24...	1515	.0	80020	262	.02	5200	11.0	--	8.5	--	--
FEB											
23...	1000	.5	80020	262	.18	4500	12.2	--	8.8	--	--
MAR											
28...	0940	2.0	80020	262	11	1800	11.4	--	8.6	--	--
APR											
24...	1300	--	80020	262	--	--	--	2.1	--	--	--
JUL											
17...	1000	27.5	80020	262	--	3650	8.5	--	8.5	1530	13

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306255 - YELLOW CREEK NEAR WHITE RIVER, CO.

PROCESS DATE 08/17/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM ADSORPTION RATIO	SODIUM PERCENT	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)
OCT											
24...	320	--	47	50	900	22	86	--	5.5	210	550
NOV											
22...	700	--	100	110	1000	16	75	--	6.1	210	610
DEC											
06...	520	--	29	110	990	19	80	--	7.1	180	110
JAN											
24...	570	--	32	120	1200	22	82	--	8.6	220	580
FEB											
23...	480	--	27	100	1000	20	82	--	5.5	100	380
MAR											
28...	220	--	36	31	370	11	78	--	3.3	63	310
APR											
24...	--	--	--	--	--	--	--	--	--	--	--
JUL											
17...	460	0	19	100	830	17	80	830	4.3	140	580

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306255 - YELLOW CREEK NEAR WHITE RIVER, CO.

PROCESS DATE 08/17/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	BORON, DIS-SOLVED (UG/L AS B)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	PER-THANE TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	LINDANE TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 24...	2.5	10	--	--	--	--	--	--	--	--	--
NOV 22...	2.8	11	--	--	--	--	--	--	--	--	--
DEC 06...	2.9	11	--	--	--	--	--	--	--	--	--
JAN 24...	2.6	13	--	--	--	--	--	--	--	--	--
FEB 23...	2.9	10	--	--	--	--	--	--	--	--	--
MAR 28...	1.4	6.5	--	--	--	--	--	--	--	--	--
APR 24...	--	--	--	K100	.00	.00	.00	.0	.00	.00	.00
JUL 17...	2.6	9.4	810	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306255 - YELLOW CREEK NEAR WHITE RIVER, CO.

PROCESS DATE 08/17/79
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	PCB, TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT											
24...	--	--	--	--	--	--	--	--	--	--	--
NOV											
22...	--	--	--	--	--	--	--	--	--	--	--
DEC											
06...	--	--	--	--	--	--	--	--	--	--	--
JAN											
24...	--	--	--	--	--	--	--	--	--	--	--
FEB											
23...	--	--	--	--	--	--	--	--	--	--	--
MAR											
29...	--	--	--	--	--	--	--	--	--	--	--
APR											
24...	.00	.00	.00	.00	0	.00	.00	.0	.00	.00	.00
JUL											
17...	--	--	--	--	--	--	--	--	--	--	--

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306255 - YELLOW CREEK NEAR WHITE RIVER, CO.

PROCESS DATE 08/17/7
DISTRICT CODE 08

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	METHYL PARA-THION, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	MIREX, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	TOTAL THI-THION (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	ELEV. OF LAND SURFACE DATUM (FT. NGVD)
OCT										
24...	--	--	--	--	--	--	--	--	--	5535.00
NOV										
22...	--	--	--	--	--	--	--	--	--	5535.00
DEC										
05...	--	--	--	--	--	--	--	--	--	5535.00
JAN										
24...	--	--	--	--	--	--	--	--	--	5535.00
FEB										
23...	--	--	--	--	--	--	--	--	--	5535.00
MAR										
28...	--	--	--	--	--	--	--	--	--	5535.00
APR										
24...	.00	.00	.00	.00	.00	.00	.00	--	--	5535.00
JUL										
17...	--	--	--	--	--	--	--	2610	3.55	5535.00

PRELIMINARY DATA SUBJECT TO REVISION

PRECIPITATION DATA

Precipitation Data

Precipitation data have been provided by the USGS and are reported for two stations in this report. For nomenclature purposes only, these stations are designated as WU22 and WU58. Additionally, precipitation data are reported for nine other stations as required by the Water Augmentation Plan. These stations have been designated as AB20, AB23, WR01, WR02, WR03, WR04, WR05, WR06, and WR07, and can be located on Figure II A-1.

Data from stations AB20 and AB23 are monitored by the Lessee as part of the air quality monitoring program and are presented, on a monthly basis, in Appendices 1-6 of Section IIB, Air Quality. Precipitation data from the other seven stations are presented in this report with the exception of station WR07 for which no data have been provided to the Lessee as of this date. Data are provided in this section as follows:

Station Designation		1978	1979
WU22	Stewart Gulch Above West Fork	X	X
WU58	Willow Creek	X	X
WR01	Little Hills		X
WR02	Meeker 2		X
WR03	Scandard Gulch on Roan Plateau		X
WR04	Corral Gulch		X
WR05	JQS Gage		X
WR06	East Fork Parachute Creek		X

STATION: Stewart ab W.F. YEAR: 78

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	*	*	*	*	*							
2	—	—	—	—	—	—	—	—	—	—	—	—
3												
4												
5												
6							0.18					
7												
8												
9												
10												
11												
12						0.00						
13												
14												
15												
16												
17								0.21				
18												
19												
20												
21												
22												
23					*							
24					openned							
25												
26									0.46			
27					0.24		0.37					
28		*										
29												
30												
31	*		*	*		X						
SUM												

Winter shutdown

Winter shutdown

data is total accumulated precip., in inches, between dates shown

GEOLOGICAL SURVEY

District .....

STATION: Stewart ab W. Fk YEAR: 1979

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
Sum												

Winter shutdown

0.46

data is total accumulated precip., in inches, between dates shown

TT A-435

STATION: Willow Creek YEAR: 78

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	*	*	*	*	*							
2												
3												
4												
5												
6							0.07					
7												
8												
9												
10												
11												
12						0.28						
13												
14												
15												
16												
17												
18								0.18				
19												
20												
21												
22					*							
23					opened							
24												
25												
26												
27					1.00		0.10					
28		*										
29												
30												
31	*		*	*		X						
Sum												

No record vandalism

No record - vandalism

Winter Shortdown

data is total accumulated precip., in inches, between dates shown.

GEOLOGICAL SURVEY

District .....

STATION: Willow C YEAR: 1979

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
sum												

Winter shutdown

0.65

data is total accumulated precip., in inches, between dates shown

COLORADO CLIMATOLOGICAL DATA

STATION: WR01 Precipitation (Inches) YEAR: 1979

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					.17		T					
2			.01		.15		.04					
3			T		.22		T					
4												
5			T				T					
6					.03		T					
7					.49			T				
8			T		.48	.28		.35				
9					.23	.03		T				
10					T	.01		.08	.03			
11					.11				.03			
12					.06			.01				
13								.09				
14								T				
15							T	.03				
16							T	.14				
17			.16		.06			.02				
18			.14					.06				
19							.02	.35	T			
20			.15					.12				
21			.10					.05				
22			.79									
23			.02		T		.03					
24			.01		.05							
25			T		.19				T			
26			T		T			T	.07			
27							.19	T	.12			
28			.43		.20							
29			.21		.07							
30			.11		T							
31			.32		.02							
TOTAL			2.45		2.53	0.32	.28	1.30	0.25			

COLORADO CLIMATOLOGICAL DATA

STATION: WR02 Precipitation (Inches) YEAR: 1979

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					.06							
2			T		.19		T					
3					.38		T					
4							T					
5			.02									
6			T									
7					.67	T						
8					.34	.37		.03				
9			T		.08							
10					.17				.33			
11					.09				T			
12					.10							
13								.07				
14								.07				
15								.12				
16							.25	.40				
17			T									
18			.14									
19			.04			T	.17	.18				
20			.11					.16				
21			.08				.18					
22			.50				.03					
23			.02									
24			.02		.02							
25					.30							
26			T		.01				.11			
27							.15		.06			
28			.37		T							
29			.14		.26							
30			.05					.06				
31			.35		.01							
TOTAL			1.84		2.68	0.37	.78	1.09	0.50			

T=Trace

GEOLOGICAL SURVEY

District .....

STATION: Scandard Gulch on Roan Plateau (WR03) YEAR: 79

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.03	0.10 / 0.10	0.15	0.10								
2			0.15	.07								
3												
4												
5	0.02											
6	.14	.12										
7	.08	.05										
8		.45	.03		0.86							
9		.03			0.27							
10		.12		.60								
11	.05				0.07							
12					0.03							
13		.04										
14	0.05											
15	0.10											
16	0.25		.15									
17	0.25		.15									
18			.15									
19			.02									
20			.38									
21			.17									
22	0.10		.33									
23												
24	0.03											
25	0.05											
26	0.10											
27	0.03		.10									
28			.30									
29	0.12		.62									
30	0.05		.15									
31	0.05		.18									
Sum												

No Record

No Record

PRELIMINARY DATA SUBJECT TO REVISION

GEOLOGICAL SURVEY

District .....

STATION: Corral Gulch on Cathedral Bluffs YEAR: 79

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.02	0.15	↕	0.15	0.29		↓					
2		↑ ↓			0.21							
3					0.08							
4												
5	.05											
6					0.17							
7					0.40							
8					0.36	0.42						
9	.03			0.23	0.23							
10	.04			0.70								
11	.03			0.45	0.15							
12	↕			0.15								
13												
14	0.18											
15	0.05											
16	0.03		0.10					0.08				
17	0.20											
18			0.12					0.12				
19		0.17						0.23				
20			0.10		↑			0.18				
21		0.15	0.75		↕		0.04					
22	0.03	0.35	0.14				0.35					
23		0.10					↑ 0.20	↑				
24					0.42		↓					
25	0.12				0.40	↑						
26	.15	0.03				↓	0.10					
27	.03											
28	.02		0.60									
29	.07		0.23									
30	.03		0.27									
31	0.12		0.32									
SUM												

PRELIMINARY DATA SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

STATION: WR05 Precipitation (Inches) YEAR: 1979

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1							.03					
2												
3												
4											.05	
5												
6							.10					
7												
8								.17		.05		
9										.05		
10									.11	.05		
11									.04			
12												
13								.02				
14								.01				
15								.14				
16								.27				
17						.16						
18								.50			.17	
19							.02	.05			.15	
20							.01	.08		.55	.10	
21							.02	.25			.03	
22							.15				.10	
23							.08				.04	
24											.03	
25											.07	
26									.29		.11	
27									.05		.04	
28												
29												
30								.29				
31												
TOTAL						.16	.41	1.78	.49	.70	.89	

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

STATION: WR06 Precipitation (Inches) YEAR: 1979

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1												
2							.02					
3												
4												
5						.02						
6						.05	.10	.05				
7						.03					.07	
8						.24		.10			.22	
9						.07		.11			.09	
10									.05			
11											.04	
12												
13								.01				
14												
15								.05				
16								.28				
17												
18						.08	.19	.10			.58	
19						.04		.10			.29	
20								.05		.89	.22	
21							.14	.10			.04	
22												
23							.10				.01	
24					.40						.04	
25					.18						.15	
26					.05			.03	.05		.26	
27												
28					.01							
29					.01					.31		
30								.25				
31					.03							
TOTAL					.68	.53	.55	1.23	.10	1.20	2.01	

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WATER LEVELS

SPRINGS AND SEEPS

GROUND WATER

SEDIMENTS

Sediment Analysis

Suspended sediment and suspended sediment discharge data for the water year October 1977 to September 1978 were presented in Development Monitoring Report #2. No additional data have been received for this report period.

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WATER LEVELS

SPRINGS AND SEEPS

GROUND WATER

II A-2 SPRINGS AND SEEPS

Water levels and water quality data were collected at nine springs around the tract as required by the Development Monitoring Plan (DMP). These springs, WS01, WS02, WS03, WS04, WS06, WS07, WS08, WS09, and WS10, can be located on Figure II A-7. Table II A-4 and II A-5 summarize the data.

Levels data collected at 13 additional springs located in the Piceance Basin and water quality data collected at a single discharge point are also presented in this section as required by the Water Augmentation Plan (WAP) and by the National Pollutant Discharge Elimination System (NPDES) permit, respectively. Tables II A-6 through II A-8 summarize these data.

Table/Figure No.	Description	Page No.
	DMP Requirements	
Figure II A-7	Springs and Seeps	II A-449
Table II A-4	Water Flow and Field Measurements of Springs around Tract C-b	II A-450
Table II A-5	Water Quality Parameters - Springs and Seeps	II A-456
	WAP Requirements	
Table II A-6	Water Flow Measurements	II A-459
Table II A-7	NPDES Requirements Weekly Analysis of Water Quality Parameters	II A-464
Table II A-8	Monthly Analysis of Water Quality Parameters	II A-465

An attempt has been made to refer to all stations by their four-digit computer station codes. For additional information on these codes refer to Section IV.

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SPRINGS AND SEEPS AROUND
Cb TRACT

Figure II A-7

Table II A-4

CB-TRACT
WATER FLOW AND FIELD MEASUREMENTS
SPRINGS AND SEEPS
FOR SAMPLE DATE SHOWN

SPRING	YR	MO	DY	STATUS	FLOW (CFS)	WATER TEMP (C)	PH	DISS OXYGEN (MG/L)	SPEC COND (UMHOS)
WS01	79	1	4		2.35	5.5	7.8	6.4	1200.0
		2	6		3.12	6.5	7.5	5.1	1225.0
		3	9		3.30	6.0		6.9	1175.0
			29	NOFLME					
		4	16		3.40				
			23		1.44				
		5	8		1.44	8.0	7.8	5.6	1200.0
		6	6		.26	13.0	7.2	12.0	1350.0
			13		.09				
			21		.09				
			24		.07				
		7	3	DRY	.00				
			23		.09				
		8	14		1.86	16.4	8.0	7.7	1250.0
		9	14		1.41				
			21		1.44				
			28		1.48				
		10	5		1.51				
			16		1.70				
			24		1.63				
			31		1.70	10.0	7.9	10.9	1400.0
WS02	79	1	4		.20	5.5	7.8	6.4	1200.0
		2	6		.45	6.0	7.8	7.1	1100.0
		3	9		.45	6.5		7.1	1125.0
			29		.45				
		4	16		.45				
			23		.45				
		5	8		.45	8.0	8.4	7.9	1100.0
		6	5		.07	10.8	8.5	6.6	1100.0
			13		-.28				
			21		-.28				
			24		-.28				
		7	3		-.28	10.5	8.1	7.9	1120.0
			23		-.28				
		8	14		-.28	19.0	8.2	6.0	1100.0
		9	14	NOFLME					
			21	NOFLME					

DRY = SPRING DRY
NOFLME = NO FLUME
\- = LESS THAN
DIVERT = FLOW DIVERTED FOR IRRIGATION

Table II A-4

CB-TRACT
WATER FLOW AND FIELD MEASUREMENTS
SPRINGS AND SEEPS
FOR SAMPLE DATE SHOWN

SPRING	YR	MO	DY	STATUS	FLOW (CFS)	WATER TEMP (C)	PH	DISS OXYGEN (MG/L)	SPEC COND (UMHOS)
WS02	79	9	28	NOFLME					
		10	5		.03				
			16		.06				
			24		.09				
			31		.32	9.0	7.9	8.2	1200.0
WS03	79	1	4		-.66	5.5	7.6	5.9	1250.0
		2	6			8.5	7.5	5.6	1200.0
		3	9		1.79	5.5		6.2	1200.0
			29		.58				
		4	4		.18				
			16		.58				
			23		.58				
		5	8		.58	8.0	7.7	6.2	1200.0
		6	6		.88	10.2	6.9	13.6	1300.0
			13		.82				
			21		2.09				
			24		.88				
		7	3		2.32	11.0	7.8	10.0	1300.0
			23		2.57				
		8	9	DIVERT		17.5	7.7	10.6	1350.0
		9	14	DIVERT					
			21	DIVERT					
			28	DIVERT					
		10	5	DIVERT					
			16	DIVERT					
			24	DIVERT					
			31		.35	10.0	7.4	7.5	1400.0
WS04	79	1	4		.05	6.0	7.2	5.3	1125.0
		2	6		.10	5.5	7.7	6.4	1150.0
		3	9	NOFLME		6.5		5.0	1225.0
			29		.10				
		4	16		-.10				
			23		-.10				
		5	8		.10	8.0	7.6	4.7	1300.0
		6	6	NOFLME		12.0	7.0	12.4	1200.0
			13		.37				

DRY = SPRING DRY
NOFLME = NO FLUME
\- = LESS THAN
DIVERT = FLOW DIVERTED FOR IRRIGATION

Table II A-4

CB-TRACT
WATER FLOW AND FIELD MEASUREMENTS
SPRINGS AND SEEPS
FOR SAMPLE DATE SHOWN

SPRING	YR	MO	DY	STATUS	FLOW (CFS)	WATER TEMP (C)	PH	DISS OXYGEN (MG/L)	SPEC COND (UMHOS)
WS04	79	6	21		.34				
			24		.32				
		7	3		.32	13.4	7.7	7.0	1200.0
			23		.31				
		8	14		.29	16.5	7.9	5.8	1150.0
		9	14		.58				
			21		.58				
			28		.87				
		10	5		.67				
			16		.69				
			24		.69				
			31		1.20	9.0	8.0	7.7	1200.0
WS06	79	1	3		.45	4.5	7.6	4.1	1200.0
		2	6		.36	5.0	7.4	4.1	1325.0
		3	8		.38	4.5		5.9	1325.0
			29		.39				
		4	4		.48	8.0	7.6	5.1	1250.0
			16		.48				
			23		.48				
		5	7		.48	8.0	7.6	4.8	1225.0
		6	5		.52	8.0	7.0	8.7	1320.0
			13		1.74				
			21		2.57				
			24		.65				
		7	3		.76	9.5	7.9	7.5	1100.0
			19		.92				
		8	9		.67	11.5	7.5	7.2	1400.0
		9	14		.85				
			21		.85				
			28		.87				
		10	5		.92				
			17		.93				
			24		1.12				
			31		1.31	8.5	7.7	6.4	1400.0
WS07	79	1	3	NOFLME					
		2	6	NOFLME		5.0	7.4	5.9	1400.0

DRY = SPRING DRY
NOFLME = NO FLUME
- = LESS THAN
DIVERT = FLOW DIVERTED FOR IRRIGATION

Table II A-4

CB-TRACT
WATER FLOW AND FIELD MEASUREMENTS
SPRINGS AND SEEPS
FOR SAMPLE DATE SHOWN

SPRING	YR	MO	DY	STATUS	FLOW (CFS)	WATER TEMP (C)	PH	DISS OXYGEN (MG/L)	SPEC COND (UMHOS)
WS07	79	3	8	NOFLME		4.5		7.8	1250.0
			29	NOFLME					
		4	4	NOFLME		8.0	7.5	5.8	1275.0
			16	NOFLME					
			23	NOFLME					
		5	7		1.20	8.0	7.5	5.8	1175.0
		6	5	NOFLME		10.0	7.0	5.3	1200.0
			13	NOFLME					
			20	NOFLME					
			24	NOFLME					
		7	3	NOFLME		10.0	7.2	5.6	1200.0
			19	NOFLME					
		8	9	NOFLME		19.0	7.5	7.0	1300.0
		9	14	NOFLME					
			21	NOFLME					
			28	NOFLME					
		10	5	NOFLME					
			17	NOFLME					
			24	NOFLME					
			31	NOFLME		9.5	7.5	7.9	1450.0
WS08	79	1	3	DRY					
		2	6	DRY					
		3	8	DRY					
			29	DRY					
		4	4	DRY					
			16	DRY					
			23	NOFLME					
		5	7	NOFLME					
		6	6	NOFLME		12.5	7.1	12.4	1300.0
			13		.89				
			20		.73				
			24		.60				
		7	3		1.84	10.5	7.4	6.9	1330.0
			18		1.62				
		8	7		.43	21.0	7.5	6.2	1200.0
		9	14		.16				
			21		.43				

DRY = SPRING DRY
NOFLME = NO FLUME
\- = LESS THAN
DIVERT = FLOW DIVERTED FOR IRRIGATION

Table II A-4

CB-TRACT
WATER FLOW AND FIELD MEASUREMENTS
SPRINGS AND SEEPS
FOR SAMPLE DATE SHOWN

SPRING	YR	MO	DY	STATUS	FLOW (CFS)	WATER TEMP (C)	PH	DISS OXYGEN (MG/L)	SPEC COND (UMHOS)
WS08	79	9	28		.60				
		10	5		.78				
			10		.67				
			17		.50				
			24		.52				
			31		.52	11.0	7.4	5.1	1400.0
WS09	79	1	3		.21	4.0	7.6	4.3	1325.0
		2	6		.22	6.0	7.4	4.9	1250.0
		3	8		.23	5.5		4.8	1300.0
			29		.23				
		4	4		.23	8.0	7.6	4.5	1250.0
			16		.23				
			23		.23				
		5	7		.23	8.0	7.6	6.3	1150.0
		6	5		.62	14.0	6.6	11.8	1300.0
			13		.21				
			20		.22				
			24		.22				
		7	3		.22	12.0	7.5	7.9	1250.0
			18		.20				
		8	7		.20	20.9	7.7	8.4	1300.0
		9	14		.20				
			21		.22				
			28		.22				
		10	5		.22				
			10		.21				
			17		.20				
			24		.17				
			31		.22	10.0	7.5	5.8	1350.0
WS10	79	1	3		.48	4.0	7.4	4.1	1250.0
		2	6		.48	6.5	7.4	4.8	1200.0
		3	8		.41	6.0		7.1	1200.0
			29	NOFLME					
		4	4	NOFLME		8.0	7.7	4.4	1275.0
			16		.41				
			23		.41				

DRY = SPRING DRY
NOFLME = NO FLUME
- = LESS THAN
DIVERT = FLOW DIVERTED FOR IRRIGATION

Table II A-4

CB-TRACT
WATER FLOW AND FIELD MEASUREMENTS
SPRINGS AND SEEPS
FOR SAMPLE DATE SHOWN

SPRING	YR	MO	DY	STATUS	FLOW (CFS)	WATER TEMP (C)	PH	DISS OXYGEN (MG/L)	SPEC COND (UMHOS)
WS10	79	5	7		.41	8.0	7.6	5.6	1125.0
		6	5		.22	10.0	6.7	12.4	1400.0
			13		.65				
			20		.73				
			24		.78				
		7	3		.78	8.0	7.6	8.2	1200.0
			18		.82				
		8	7		.48	22.9	8.1	10.0	1250.0
		9	14		.76				
			28		.80				
		10	5		.82				
			10		.60				
			17		.80				
			24		.78				
			31		.69	5.5	7.8	9.0	1200.0

DRY = SPRING DRY
NOFLME = NO FLUME
- = LESS THAN
DIVERT = FLOW DIVERTED FOR IRRIGATION

Table II A-5

CB-TRACT
WATER QUALITY PARAMETERS
SPRINGS AND SEEPS
FOR SAMPLE DATA SHOWN

SPRGS AND SEEPS	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	NH3 (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BOD (MG/L)	B (MG/L)	BR (MG/L)	CD (MG/L)	MG (MG/L)	F (MG/L)	HARDNESS (MG/L CACO3)	FE (MG/L)
WS01	79	2	450.0	.200	-.040	-.020	-.50	450.0	-1.0	1.0	-.04	.200	-.020	80.0	.25	490.0	.70
		5	400.0	.100	.400	-.020	-.50	360.0	36.0	1.7	.10	.600	-.020	67.0	.30	550.0	-.50
		8	400.0	-.100		-.020	-.50	340.0	60.0	.1	.10		-.020	62.0	.20	480.0	.02
WS02	79	2	420.0	.200	-.040	-.020	-.50	400.0	20.0	-1.0	-.04	.300	-.020	73.0	.23	460.0	-.50
		5	400.0	.500	.300	-.020	-.50	370.0	30.0	.4	.10	.600	-.020	71.0	.40	410.0	-.50
		8	400.0	-.100		-.020	-.50	320.0	77.0	2.0	1.00		-.020	57.0	.20	460.0	.02
WS03	79	2	450.0	-.100	.020	-.020	-.50	450.0	-1.0	2.0	-.04	.500	-.020	80.0	.24	540.0	-.50
		5	410.0	.500	.600	-.020	-.50	390.0	25.0	.8	.10	.600	-.020	71.0	.20	570.0	-.50
		8	400.0	.100		-.020	.50	360.0	40.0	.6			-.020	70.0	.20	510.0	-.50
WS04	79	2	420.0	-.100	-.040	-.020	-.40	400.0	20.0	1.0	.20	.300	-.020	70.0	.19	350.0	-.50
		5	400.0	.300	.400	-.020	-.50	390.0	12.0	.5	.30	.300	-.020	98.0	.40	650.0	-.50
		8	390.0	-.100		-.020	-.50	340.0	48.0	2.0	.09		-.020	57.0	.20	470.0	.02
WS06	79	2	500.0	.200	-.040	-.020	-.50	500.0	-1.0	1.0	-.04	.090	-.020	90.0	.52	520.0	-.50
		5	470.0	-.100	.200	-.020	-.50	440.0	30.0	.6	.04	.600	-.020	94.0	.50	590.0	-.50
		8	470.0	-.100		-.020	.50	430.0	40.0	.3			-.020	74.0	.50	540.0	-.50
WS07	79	2	490.0	.100	-.040	-.020	-.50	490.0	-1.0	-1.0	.20	.300	-.020	80.0	.46	540.0	-.50
		5	470.0	.100	.300	-.020	-.50	430.0	42.0	.4	-.40	.900	-.020	94.0	.60	570.0	-.50
		8	460.0	-.100		-.020	.50	430.0	30.0	.3			-.020	72.0	.40	550.0	-.50
WS08	79	8	430.0	.100		-.020	.50	380.0	48.0	.3			-.020	61.0	.50	510.0	.10
WS09	79	2	500.0	.200	.240	-.020	-.50	500.0	-1.0	3.0	-.04	.600	-.020	80.0	.45	570.0	-.50
		5	470.0	.100	.200	-.020	-.50	440.0	32.0	.4	.20	.400	-.020	93.0	.40	590.0	-.50
		8	470.0	-.100		-.020	.50	405.0	65.0	1.0			-.020	63.0	.40	550.0	.04
WS10	79	2	490.0	.200	.150	-.020	-.50	490.0	-1.0	-1.0	.08	.600	-.020	70.0	.43	570.0	-.50
		5	440.0	-.100	.500	-.020	-.50	400.0	45.0	.6	-.04	.600	-.020	90.0	.40	550.0	-.50
		8	440.0	-.100		-.020	.50	390.0	48.0	.4			-.020	62.0	.40	530.0	.05

NOTE: - INDICATES LESS THEN

CB-TRACT
WATER QUALITY PARAMETERS
SPRINGS AND SEEPS
FOR SAMPLE DATA SHOWN

SPRGS AND SEEPS	YR	MO	FECAL COLIF. COLONY /100ML	TOTAL COLIF. COLONY /100ML	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	TOTAL ALPHA PCI/L	TOTAL BETA PCI/L	RADIUM 226 PCI/L	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)
WS01	79	2	-1.0	-1.0	2.0	-.02000	-.020	-.010	3.4	6.0	.0	.030	-.020	-.02	.030
		5	-1.0	-1.0	1.0	-.02000	-.020	-.010	1.7	46.0	1.0	-.020	-.050	-.02	-.020
		8						-.020				-.020	-.020	.02	-.020
WS02	79	2	-1.0	-1.0	3.0	-.02000	-.020	-.010	1.2	2.0	.0	-.020	-.020	-.02	.030
		5	-1.0	10.0	2.0	-.02000	-.020	-.010	6.0	14.0	.0	-.020	-.050	-.02	.040
		8						-.020				-.020	-.020	.02	-.020
WS03	79	2	-1.0	-1.0	3.0	-.02000	-.020	-.010	3.2	.0	.0	-.020	-.020	-.02	-.020
		5	-1.0	-1.0	2.0	-.02000	-.020	-.010	2.7	21.0	.0	-.020	-.050	-.02	-.020
		8										-.020	.050	-.02	-.020
WS04	79	2	-1.0	-1.0	2.0	-.02000	-.020	-.010	.0	7.0	.0	.040	-.020	-.02	.010
		5	-1.0	-1.0	2.0	-.02000	-.020	-.010	.8	.0	.0	-.020	-.050	-.02	.100
		8						-.020				-.020	-.020	.02	-.020
WS06	79	2	-1.0	-1.0	3.0	-.02000	-.020	-.010	1.6	.0	.0	.040	-.020	-.02	-.020
		5	-1.0	4.0	1.0	-.02000	-.020	-.010	12.0	13.0	.0	-.020	-.050	-.02	.020
		8										-.020	.040	-.02	-.020
WS07	79	2	-1.0	-1.0	3.0	-.02000	-.020	-.010	.3	.0	.0	.030	-.020	-.02	-.020
		5	-1.0	1.0	1.0	-.02000	-.020	-.010	13.0	.0	.0	-.020	-.050	-.02	.030
		8										-.020	.040	-.02	-.020
WS08	79	8						-.020				-.020	-.020	.02	-.020
WS09	79	2	-1.0	-1.0	3.0	-.02000	-.020	-.010	1.3	3.0	.0	.030	-.020	-.02	-.020
		5	-1.0	1.0	2.0	-.02000	-.020	-.010	9.3	1.0	.0	-.020	-.050	-.02	-.020
		8						-.020				-.020	-.020	.02	-.020
WS10	79	2	-1.0	-1.0	1.0	-.02000	-.020	-.010	2.8	3.0	.0	.030	-.020	-.02	-.020
		5	-1.0	1.0	2.0	-.02000	-.020	-.010	2.1	7.0	.0	-.020	-.050	-.02	-.020
		8						-.020				-.020	-.020	.01	.020

NOTE: - INDICATES LESS THEN

Table II A-5

CB-TRACT
WATER QUALITY PARAMETERS
SPRINGS AND SEEP
FOR SAMPLE DATA SHOWN

SPRGS AND SEEPS	YR	MO	MO (MG/L)	NI (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHEN (MG/L)	K (MG/L)	NA (MG/L)	SOLUBLE SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CA (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WS01	79	2	-.020	.030	50.00	20.0	.0050	2.0	130.0	980.0	5.0	360.0	90.0	8.0	4.0	-.020	-.020
		5	.030	-.020	4.20	18.0	.0100	2.1	120.0		4.0	350.0	90.0	14.0	4.2	-.020	-.020
		8	-.020	-.020	-.10			2.0	110.0		4.0	370.0	75.0	11.0	13.0	-.020	-.020
WS02	79	2	-.020	-.020	8.00	9.0	.0060	.9	110.0	900.0	5.0	320.0	84.0	7.0	10.0	-.020	-.020
		5	.300	-.020	-.10	31.0	.0050	2.1	110.0		4.1	270.0	88.0	2.0	2.1	-.020	-.020
		8	-.020	-.020	-.10			1.0	100.0		4.0	310.0	76.0	10.0	15.0	-.020	-.020
WS03	79	2	-.020	-.020	8.00	3.0	.0050	2.0	140.0	1100.0	5.0	400.0	90.0	8.0	4.0	-.020	-.020
		5	.200	-.020	2.10	26.0	.0050	2.5	120.0		4.2	370.0	86.0	9.0	2.1	-.020	-.020
		8	.030	-.020	-.10		.0200	1.8	120.0		4.7	400.0	76.0	12.0	2.8	-.020	-.020
WS04	79	2	-.020	-.020	15.00	5.0	.0140	1.0	120.0	880.0	5.0	240.0	90.0	6.0	.9	-.020	-.020
		5	.100	-.020	-.10	28.0	.0050	3.1	110.0		4.7	470.0	117.0	3.6	2.1	-.020	-.020
		8	-.020	-.020	-.10			1.0	100.0		4.0	320.0	74.0	9.0	12.0	-.020	-.020
WS06	79	2	-.020	-.020	6.00	40.0	.0070	2.0	140.0	1100.0	6.0	340.0	90.0	11.0	10.0	-.020	-.020
		5	.300	-.020	-.10	32.0	.0070	2.4	120.0		5.5	350.0	98.0	21.0	-.1	-.020	.030
		8	.020	-.020	-.10		.0100	2.0	120.0		5.8	360.0	84.0	18.0	17.0	-.020	-.020
WS07	79	2	-.020	-.020	3.00	45.0	.0070	2.0	130.0	1100.0	7.0	370.0	90.0	10.0	2.0	-.020	-.020
		5	-.020	-.020	-.10	5.0	.0030	2.8	120.0		5.4	350.0	95.0	8.0	4.2	-.020	.020
		8	.020	-.020	-.10		.0200	1.7	120.0		6.2	370.0	86.0	16.0	5.6	-.020	-.020
WS08	79	8	-.020	.020	-.10			2.0	120.0		5.0	350.0	83.0	17.0	45.0	-.020	-.020
WS09	79	2	-.020	-.020	1.00	3.0	.0080	1.0	120.0	1000.0	6.0	340.0	100.0	11.0	.9	-.020	-.020
		5	-.020	-.020	-.10	6.0	-.0010	2.0	110.0		5.1	340.0	104.0	8.0	-.1	-.020	-.020
		8	-.020	-.020	-.10			1.0	110.0		5.0	336.0	88.0	12.0	4.0	-.020	-.020
WS10	79	2	-.020	-.020	2.00	20.0	.0200	1.0	110.0	1000.0	5.0	330.0	95.0	10.0	2.0	-.020	-.020
		5	-.020	-.020	-.10	18.0	.0010	1.8	110.0		4.6	330.0	110.0	14.0	-.1	-.020	.060
		8	-.020	.080	-.10			1.0	110.0		4.0	330.0	83.0	13.0	15.0	-.020	-.020

NOTE: - INDICATES LESS THEN

Table II A-6

CB-TRACT
WATER FLOW REQUIRED BY WAP
SPRINGS AND SEEPS
FOR SAMPLE DATE SHOWN

SPRING	YR	MO	DY	STATUS	FLOW (CFS)
WS21	79	7	9		1.04
		8	15		.58
			21		.52
			28		.48
		9	5		.41
			11		.39
			19		.38
			25		.36
		10	2		.38
			9		.39
			18		.39
			24		.39
			31		.39
WS22	79	7	9		.55
		8	6		.51
			15		.50
			21		.51
			28		.49
		9	5		.49
			11		.49
			18		.47
			25		.47
		10	2		.46
			9		.46
			18		.46
			24		.44
			31		.46
WS23	79	7	17		.99
		8	15		1.26
			16		1.17
			22		1.36
			28		1.45
		9	6		1.59
			12		1.65
			19		1.68
			25		1.71
		10	2		1.74
			10		1.87

DRY = SPRING DRY
NOFLMF = NO FLUME
- = LESS THAN

Table II A-6

CB-TRACT
WATER FLOW REQUIRED BY WAP
SPRINGS AND SEEPS
FOR SAMPLE DATE SHOWN

SPRING	YR	MO	DY	STATUS	FLOW (CFS)
WS23	79	10	18		1.90
			30		1.97
WS24	79	7	10		2.06
		8	6		1.77
			15		1.74
			21		1.74
			28		1.68
		9	5		1.62
			11		1.59
			19		1.53
			25		1.50
		10	2		1.42
			10		1.39
			18		1.31
			24		1.28
			31		1.31
WS25	79	7	3		2.40
		9	5		.26
			11		.22
			18		.18
			24		.14
		10	1		.11
			9		.09
			17		.07
			24		.06
WS26	79	7	21		.31
		8	7		.43
			15		.36
			22		.37
			29		.37
		9	6		.29
			12		.29
			20		.29
			26		.28
		10	3		.28
			8		.28
			18		.28

DRY = SPRING DRY
NOFLME = NO FLUME
\- = LESS THAN

Table II A-6

CB-TRACT
WATER FLOW REQUIRED BY WAP
SPRINGS AND SEEPS
FOR SAMPLE DATE SHOWN

SPRING	YR	MO	DY	STATUS	FLOW (CFS)
WS26	79	10	29		.30
WS27	79	7	21		.21
		8	7		.20
			15		.20
			22		.18
			29		.17
		9	6		.17
			12		.17
			20		.16
			26		.16
		10	3		.16
			8		.16
			18		.15
			29		.15
WS28	79	7	22		1.53
		8	7		1.50
			15		1.40
			22		1.34
			29		1.39
		9	6		1.45
			12		1.48
			21		1.56
			26		1.45
		10	3		1.39
			9		1.39
			18		1.39
			30		1.35
WS29	79	7	22		.20
		8	7		.16
			15		.16
			22		.14
			29		.13
		9	6		.10
			12		.10
			21		.08
			26		.09
		10	3		.08

DRY = SPRING DRY
NOFLME = NO FLUME
- = LESS THAN

Table II A-6

CB-TRACT
WATER FLOW REQUIRED BY WAP
SPRINGS AND SEEPS
FOR SAMPLE DATE SHOWN

SPRING	YR	MO	DY	STATUS	FLOW (CFS)
WS29	79	10	9		.08
			18		.08
			30		.09
WS30	79	7	27		3.00
		9	6		3.50
			12		3.50
			20		3.50
			27		3.08
		10	3		3.00
			9		3.00
			18		3.00
			26		4.25
			30		4.00
WS31	79	8	16		1.41
			29		1.36
		9	6		1.41
			12		1.46
			21		1.58
			26		1.64
		10	3		1.82
			9		1.82
			18		1.94
			30		2.06
WS32	79	8	29		.21
		9	6		.21
			12		.21
			20		.21
			26		.21
		10	3		.21
			8		.21
			18		.21
			30		.20
WS33	79	8	15		1.02
			29		1.10
		9	6		1.05
			12		1.04

DRY = SPRING DRY
NOFLME = NO FLUME
\- = LESS THAN

Table II A-6

CB-TRACT
WATER FLOW REQUIRED BY WAP
SPRINGS AND SEEPS
FOR SAMPLE DATE SHOWN

SPRING	YR	MO	DY	STATUS	FLOW (CFS)
WS33	79	9	21		1.04
			26		1.07
		10	3		1.04
			9		1.02
			18		1.02
			30		1.05
WS34	79	8	29		.67
		9	6		.73
			12		.76
			20		.76
			26		.78
		10	3		.80
			8		.80
			18		.78
			29		.73
WS35	79	7	3		1.62
		8	14		.99
			21		.92
			28		.87
		9	5		.78
			11		.73
			18		.69
			24		.65
		10	1		.58
			9		.56
			17		.56
			24		.52

DRY = SPRING DRY
NOFLME = NO FLUME
- = LESS THAN

Table II A-7

CB-TRACT
NPDES WATER QUALITY SAMPLES
WEEKLY ANALYSIS

LOC	YR	MO	DY	FLOW (CFS)	TOTAL SUSPEND SOLIDS (MG/L)	TOTAL DISSOLVED SOLIDS (MG/L)	TOTAL F (MG/L)	TOTAL B (MG/L)	AMMONIA AS N (MG/L)	TOTAL PHENOL (MG/L)	AL (MG/L)	TOTAL FE (MG/L)	OIL AND GREASE (MG/L)	PH
WN40	79	7	31		20.0	910.0	2.10	-.10	.98	-.001	-.1	.02	-1	
		8	6		-1.0	940.0	2.70	.20		-.001	-.1	.12	2	
			15		-1.0	880.0	1.60	.19			.6	1.30	2	
			22		-1.0	820.0	1.50	.10	.83	.003	.4	-.03	-1	
			27		-1.0	990.0	1.30	.10	.75	-.001	.5	.90	-1	
			29		-1.0	870.0	1.10	-.10	.95	-.001	.4	.50	-1	
			31		-1.0	920.0	1.20	.10	1.64	-.001	.6	1.00	4	
		9	5	450.0	4.0	3800.0	1.30	.20	.94	.003	-.1	.03	-1	8.80
			6	450.0	17.0	840.0	1.40	.20	.85	.003	.1	.20	1	8.25
			13	625.0	10.0	720.0	3.20	.10	.81	.003	.4	.20	-1	8.05
			18	347.0	26.0	860.0	1.70	.10	3.30	-.001	.2	.70	5	8.80
			24	170.0	8.0	800.0	1.40	.13	3.20	-.001	-.1	.30	27	7.90
			28	220.0										
		10	1	210.0	12.0	800.0	1.80	.07	3.20	.004	-.1	.20	21	8.20
			8	210.0	26.0	920.0	3.80	.20	1.80	.006	.6	1.00	6	8.07
			17	585.0	66.0	850.0	2.60			-.001	.7	.90		8.20
			26	316.0	42.0	890.0	3.10		1.50	.020	.8	.70	15	7.50
			30	720.0	15.0	810.0	2.70		1.60	.050	.8	.20	10	8.70

NOTE: - INDICATES LESS THAN

Table II A-8

CB-TRACT
NPDES WATER QUALITY SAMPLES
MONTHLY ANALYSIS

LOC	YR	MO	TOTAL CD (MG/L)	TOTAL CU (MG/L)	TOTAL HG (MG/L)	TOTAL AG (MG/L)	TOTAL ZN (MG/L)
WN40	79	7	-.02	.02	-.0002	-.01	.03
		8	-.02	-.02	-.0002	-.01	.03
		9	-.02	-.02	-.0002	-.01	-.02
		10	-.02	-.02	-.0020	-.01	-.02

NOTE: - INDICATES LESS THAN

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II A-3 GROUND WATER

Ground water levels and quality data collected during this report period appear in this section. Data were collected at all alluvial wells that had water in them and at the deep monitoring wells. Also included in this section are levels data collected at deep monitoring wells in the Piceance Basin as a requirement of the Water Augmentation Plan.

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WATER LEVELS DATA FOR GROUND WATER

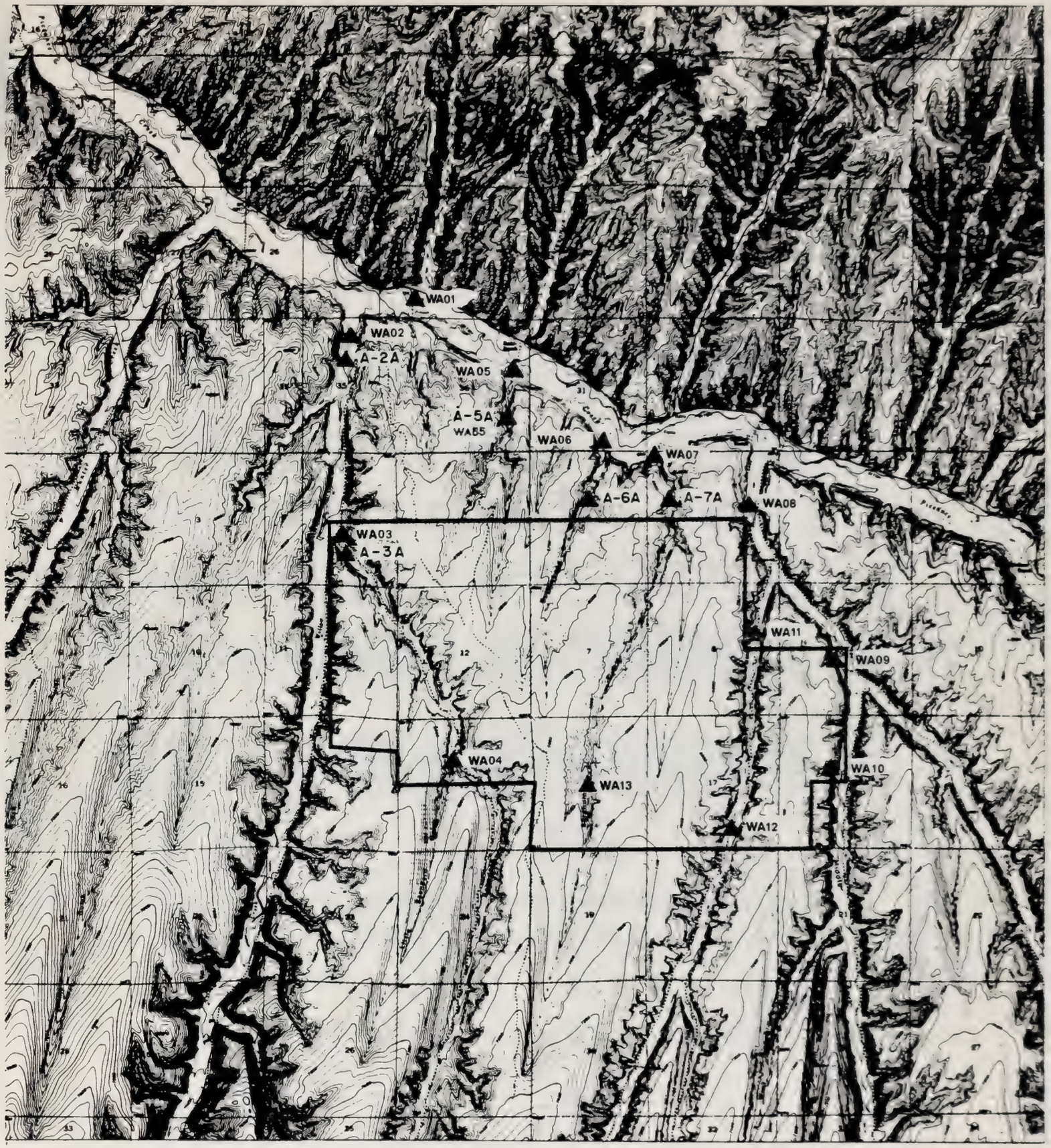
A - Alluvial Wells
B - Upper Aquifer Wells
C - Lower Aquifer Wells

Water levels data collected during the period of this report are reported as follows:

Table/Figure No.	Description DMP Requirements	Page No.
Figure II A-8	Alluvial Aquifer Monitoring Network with proposed new alluvial wells.	II A-471
Table II A-9	Water Levels and Field Measurements in Alluvial Wells	II A-472
Table II A-10	Index to Hand Plots of Water Levels in Alluvial Wells	II A-475
Table II A-11	Stevens Recorder Data for Alluvial Wells	
	a. Well WA01	II A-487
	b. Well WA02	II A-488
	c. Well WA03	II A-489
	d. Well WA05	II A-490
	e. Well WA06	II A-491
	f. Well WA07	II A-492
	g. Well WA08	II A-493
	h. Well WA09	II A-494
	i. Well WA10	II A-495
	j. Well WA11	II A-496
	k. Well WA12	II A-497
Figure II A-9	Deep Well Monitoring Network	II A-498
Table II A-12	Table of Water Levels in Upper Aquifer Wells	II A-499
Table II A-13	Index to Hand Plots of Water Levels in Upper Aquifer Wells	II A-502
Table II A-14	Stevens Recorder Data for Upper Aquifer Well WX12	II A-518
Table II A-15	Table of Water Levels in Lower Aquifer Wells	II A-519

Table/Figure No.	Description	Page No.
	DMP Requirements	
Table II A-16	Index to Hand Plots of Water Levels in Lower Aquifer Wells.	II A-520
Table II A-17	Stevens Recorder Data for Lower Aquifer Well WY01.	II A-533
	WAP Requirements	
Table II A-18	Table of Water Levels in Upper Aquifer Wells Required by Water Augmentation Plan.	II A-534
Table II A-19	Table of Water Levels in Lower Aquifer Wells Required by Water Augmentation Plan.	II A-535
Table II A-20	Table of Water Levels in Composite Wells Required by WAP.	II A-536

An attempt has been made to refer to all wells in terms of their four-digit computer station codes. For additional information on these codes, refer to Section IV.



ALLUVIAL AQUIFER MONITORING NETWORK WITH PROPOSED NEW ALLUVIAL WELLS
A-2A, A-3A, A-6A, A-7A

Figure II A-8

Table II A-9

CB-TRACT
WATER LEVELS AND FIELD MEASUREMENTS
ALLUVIAL WELLS
FOR SAMPLE DATE SHOWN

WELL	YR	MO	DY	STATUS	MEASURING PT ELEV (FT)	DEPTH (FT)	WATER TEMP (C)	PH	DISS OXYGEN (MG/L)	SPEC COND (UMHOS)
WA01	79	1	16		6282.2	6238.0	8.5	7.6	2.3	1500.0
		2	13		6282.2	6235.3	8.0	7.2	3.1	1450.0
		3	16		6282.2	6235.2	9.0		3.6	1700.0
		4	9		6282.2	6235.8	10.0	7.7	3.2	1475.0
		6	3		6282.2	6240.7	12.5	7.0	7.8	1400.0
		7	17		6282.2	6240.1				
		8	19		6282.2	6236.3				
		10	8		6282.2	6237.3	22.0	7.5	2.9	1750.0
WA02	79	1	16	PLUGGD	6284.5					
		2	13	PLUGGD	6284.5					
		3	16	PLUGGD	6284.5					
		4	9	PLUGGD	6284.5					
		6	20		6284.5	6269.5	13.5	7.7	4.0	1000.0
		7	18		6284.5	6268.4	14.0	7.6	6.0	1100.0
		10	11		6284.5	6273.8	16.8	7.8	4.6	1200.0
WA03	79	1	19		6448.6	6365.0	5.0	7.8	5.8	1300.0
		2	13		6448.6	6364.4	7.0	8.0	5.1	1300.0
		3	19		6448.6	6365.8	8.0		3.6	1350.0
		4	9		6448.6	6365.2	9.0	7.8	4.2	1325.0
		6	14		6448.6	6370.0	11.5	7.2	5.6	1300.0
		7	18		6448.6	6372.2		7.3		1200.0
		10	11		6448.6	6374.2	18.0	7.4	5.2	1250.0
WA04	79	1	19	DRY						
		2	14	DRY						
		3	16	DRY						
		4	9	DRY						
		6	14	DRY						
		7	18	DRY						
		10	11	DRY						
WA05	79	2	15		6345.0	6326.3	8.0	7.8	3.8	1350.0
		3	19	INACCS	6345.0					
		4	9		6345.0	6325.9	8.5	7.8	3.7	1350.0
		6	13		6345.0	6328.0	12.0	7.4	7.4	650.0
		7	2		6345.0	6327.5				

PLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING
INACCS = WELL INACCESSIBLE

Table II A-9

CB-TRACT
WATER LEVELS AND FIELD MEASUREMENTS
ALLUVIAL WELLS
FOR SAMPLE DATE SHOWN

WELL	YR	MO	DY	STATUS	MEASURING PT ELEV (FT)	DEPTH (FT)	WATER TEMP (C)	PH	DISS OXYGEN (MG/L)	SPEC COND (UMHOS)
WA05	79	10	12		6345.0	6327.2	18.5	7.6	4.6	1175.0
WA06	79	1	19		6360.0	6326.8	8.5	7.8	4.9	1250.0
		2	15		6360.0	6325.8	8.5	7.8	4.1	1300.0
		3	19		6360.0	6328.3	8.5		2.8	1200.0
		4	9		6360.0	6327.1	9.5	7.8	3.8	1325.0
		6	14		6360.0	6333.7	14.0	7.4	3.2	1400.0
		7	20		6360.0	6334.0	15.0	7.3	5.8	1350.0
		8	19		6360.0	6329.9				
		10	9		6360.0	6327.1	13.5	8.2	9.5	1400.0
WA07	79	1	19	DRY	6383.8					
		2	13	DRY	6383.8					
		3	16	DRY	6383.8					
		4	9	DRY	6383.8					
		6	14		6383.8	6355.8	12.0	7.6	7.5	1000.0
		7	26		6383.8	6355.5	16.0	7.6	7.2	1100.0
		8	19		6383.8	6350.9				
		10	9		6383.8	6351.9	11.0	8.1	10.1	1000.0
WA08	79	1	19		6409.0	6380.3	8.5	7.8	4.6	1150.0
		2	15		6409.0	6382.2	8.5	7.8	4.2	1225.0
		3	19	INACCS	6409.0					
		4	10		6409.0	6383.7	9.0	7.8	4.1	1300.0
		6	21		6409.0	6386.9	10.0		6.2	1200.0
		8	24		6409.0	6385.0				
		10	15		6409.0	6385.6	12.0	7.7	8.3	1200.0
WA09	79	1	19		6540.2	6491.2	9.0	7.9	5.9	1100.0
		2	15		6540.2	6499.9	8.0	7.9	4.9	1175.0
		3	20		6540.2	6491.5	5.5		5.6	1000.0
		4	10		6540.2	6483.0	8.5	7.9	3.9	1200.0
		6	21		6540.2	6492.3	14.0		8.9	1000.0
		8	24		6540.2	6492.0				
		10	18		6540.2	6488.7	13.5	7.6	8.2	1100.0
WA10	79	1	19	DRY	6610.6					
		2	14	DRY	6610.6					

PLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING
INACCS = WELL INACCESSIBLE

Table II A-9

CB-TRACT
WATER LEVELS AND FIELD MEASUREMENTS
ALLUVIAL WELLS
FOR SAMPLE DATE SHOWN

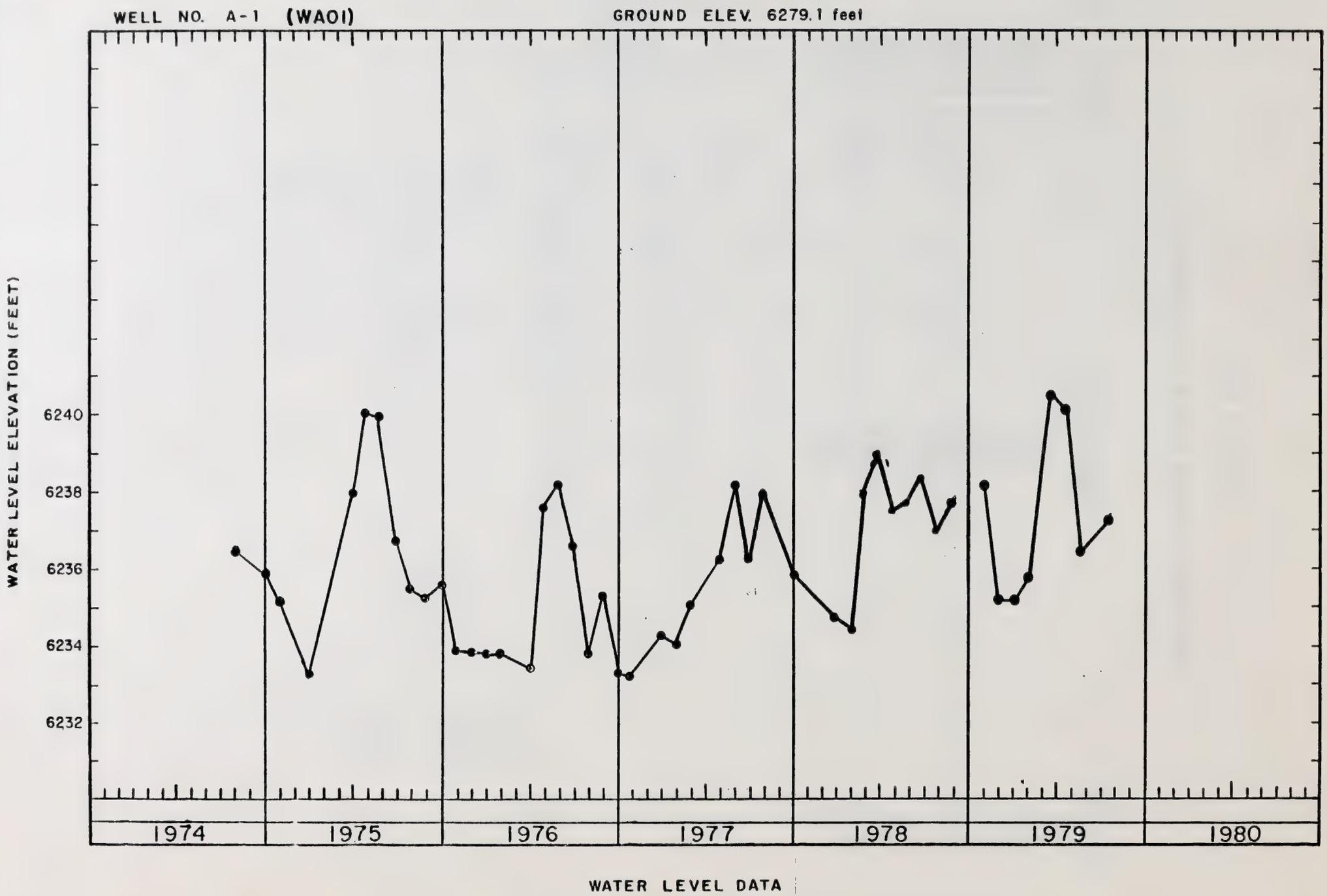
WELL	YR	MO	DY	STATUS	MEASURING PT ELEV (FT)	DEPTH (FT)	WATER TEMP (C)	PH	DISS OXYGEN (MG/L)	SPEC COND (UMHOS)
WA10	79	3	19	INACCS	6610.6					
		4	10	DRY	6610.6					
		6	20		6610.6	6564.5	13.5	7.5	8.0	1200.0
		7	24		6610.6	6559.7				
		10	19		6610.6	6564.0	13.0	7.6	9.5	1400.0
WA11	79	1	19		6503.8	6448.4	5.0	7.5	7.1	1400.0
		2	14		6503.8	6446.2	7.5	7.6	5.2	1375.0
		3	20		6503.8	6450.2	6.0		5.1	1300.0
		4	10		6503.8	6449.1	9.0	7.6	5.0	1350.0
		6	20		6503.8	6448.1	13.0		10.4	1400.0
		7	30		6503.8	6448.1				
		10	19		6503.8	6444.2	15.0	7.7	10.2	1400.0
WA12	79	1	19		6691.8	6634.5	6.5	7.7	5.2	1300.0
		2	14		6691.8	6633.2	7.0	7.9	5.1	1325.0
		3	20		6691.8	6636.3	7.0		5.8	1425.0
		4	10		6691.8	6633.9	10.0	7.7	4.8	1400.0
		6	20		6691.8	6635.2	12.0		8.6	1400.0
		7	30		6691.8	6634.9				
		10	15		6691.8	6636.5	15.5	7.5	6.2	1400.0
WA13	79	1	0	DRY						
		2	14	DRY						
		3	16	DRY						
		4	10	DRY						
		6	20	DRY						
		7	30	DRY						
WA55	79	7	31		6460.0	6432.2	20.0	8.0	.5	1100.0

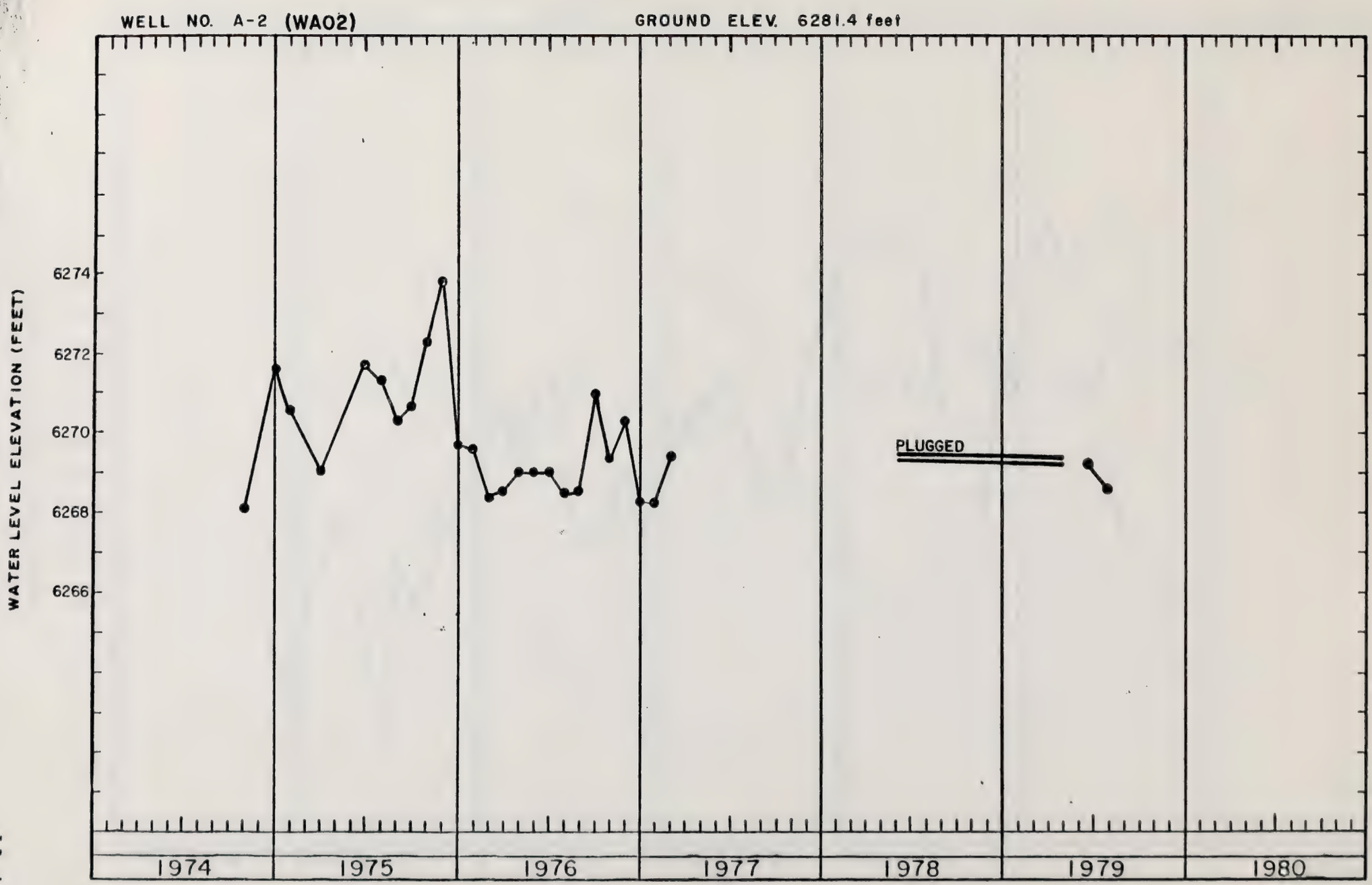
PLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING
INACCS = WELL INACCESSIBLE

Table II A-10

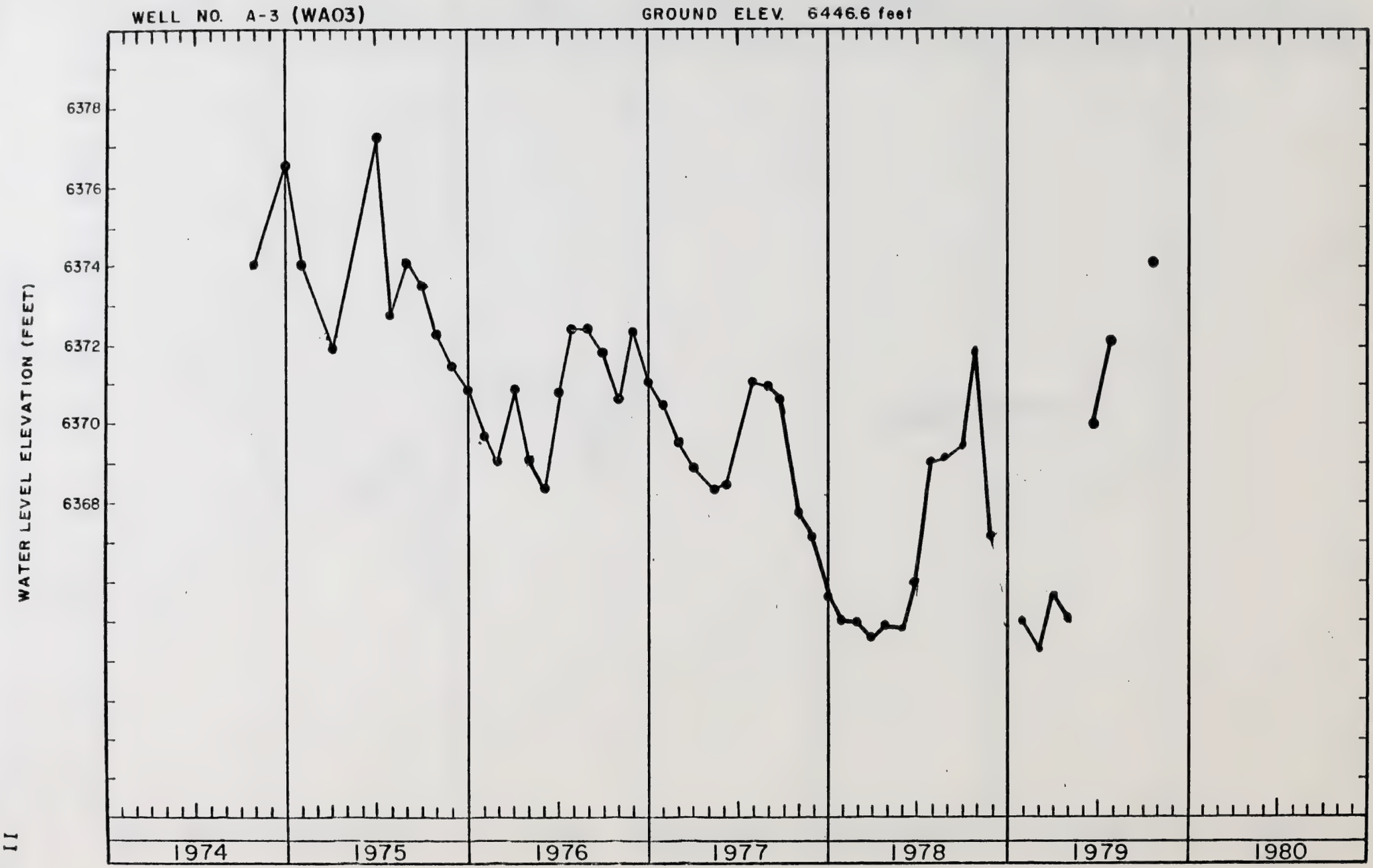
HAND PLOTS OF WATER LEVELS IN ALLUVIAL WELLS

Well No.	Computer Code	Page No.
A-1	WA01	II A-476
A-2	WA02	II A-477
A-3	WA03	II A-478
A-5	WA05	II A-479
A-6	WA06	II A-480
A-7	WA07	II A-481
A-8	WA08	II A-482
A-9	WA09	II A-483
A-10	WA10	II A-484
A-11	WA11	II A-485
A-12	WA12	II A-486

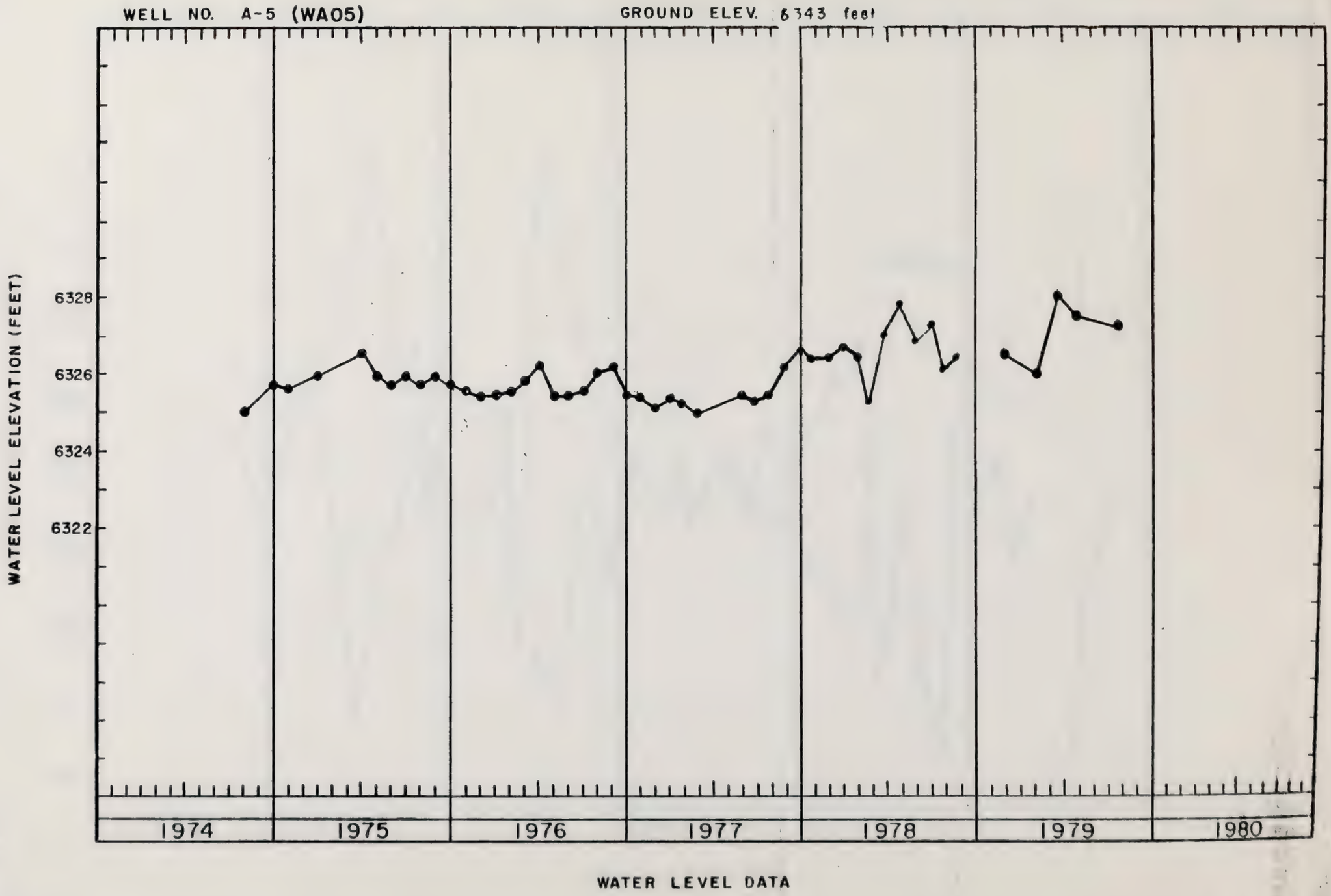

WELL NO. A-1 (WAOI)
GROUND ELEV. 6279.1 feet
WATER LEVEL ELEVATION (FEET)
6240
6238
6236
6234
6232
1974
1975
1976
1977
1978
1979
1980
WATER LEVEL DATA

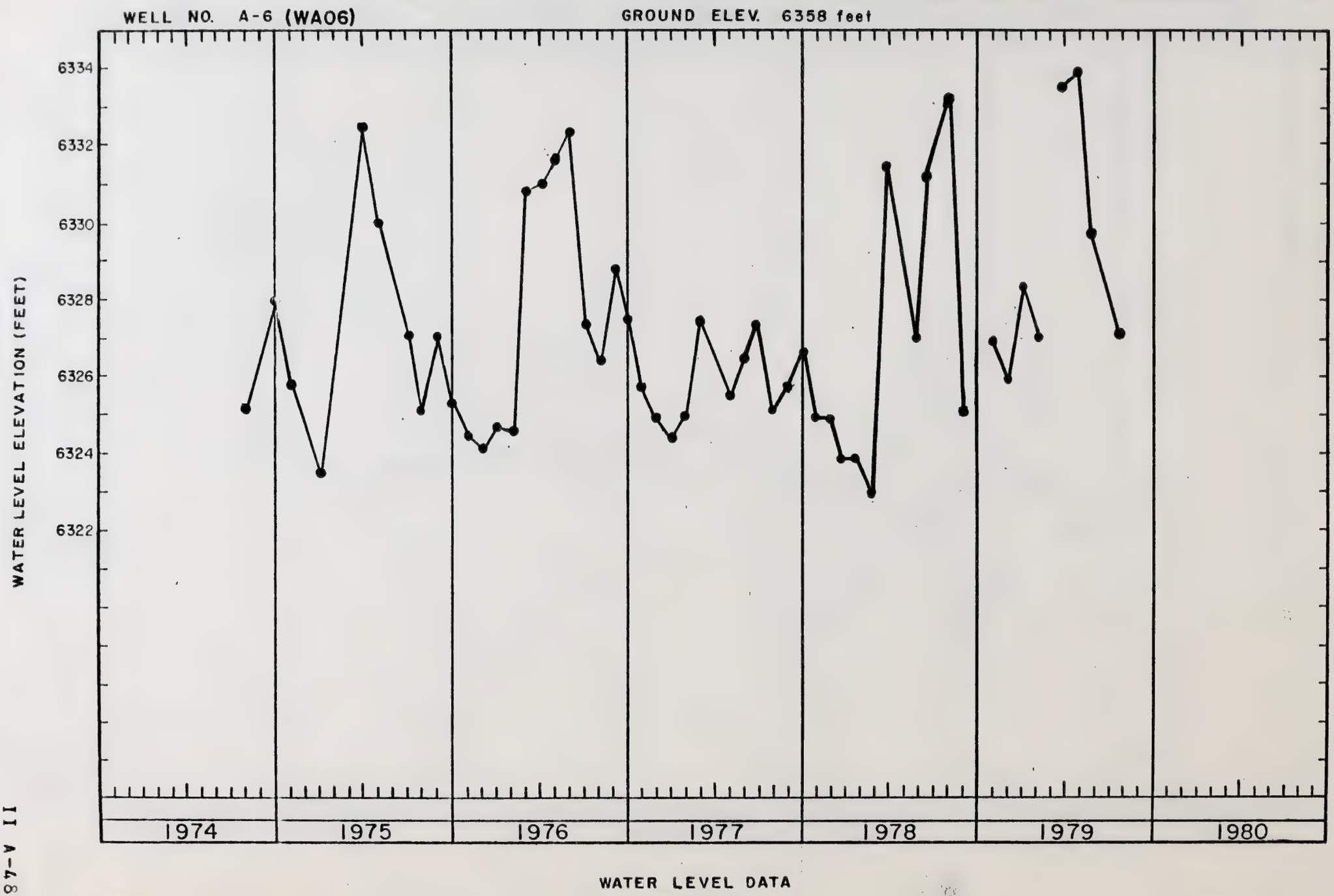


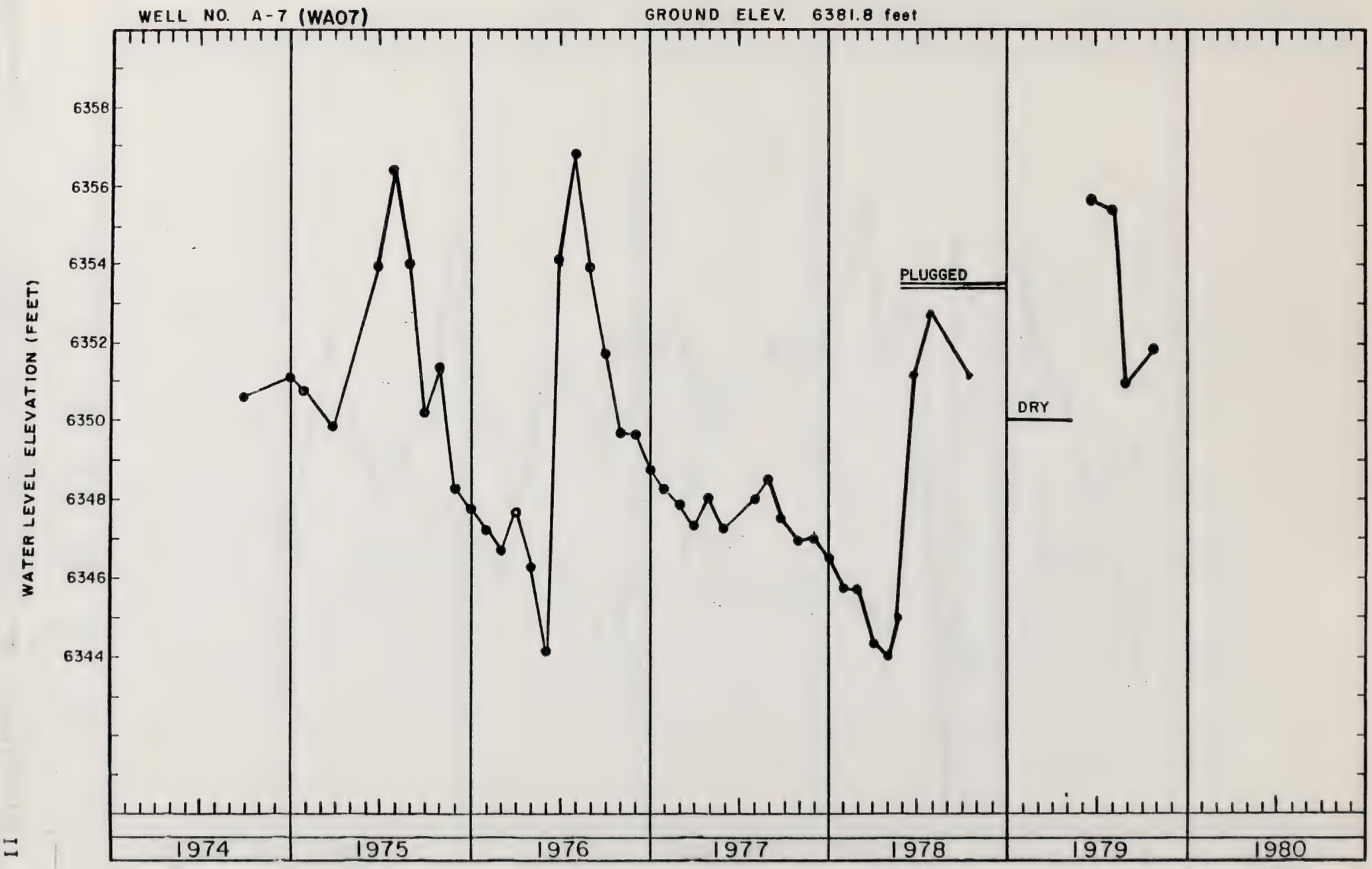
WATER LEVEL DATA



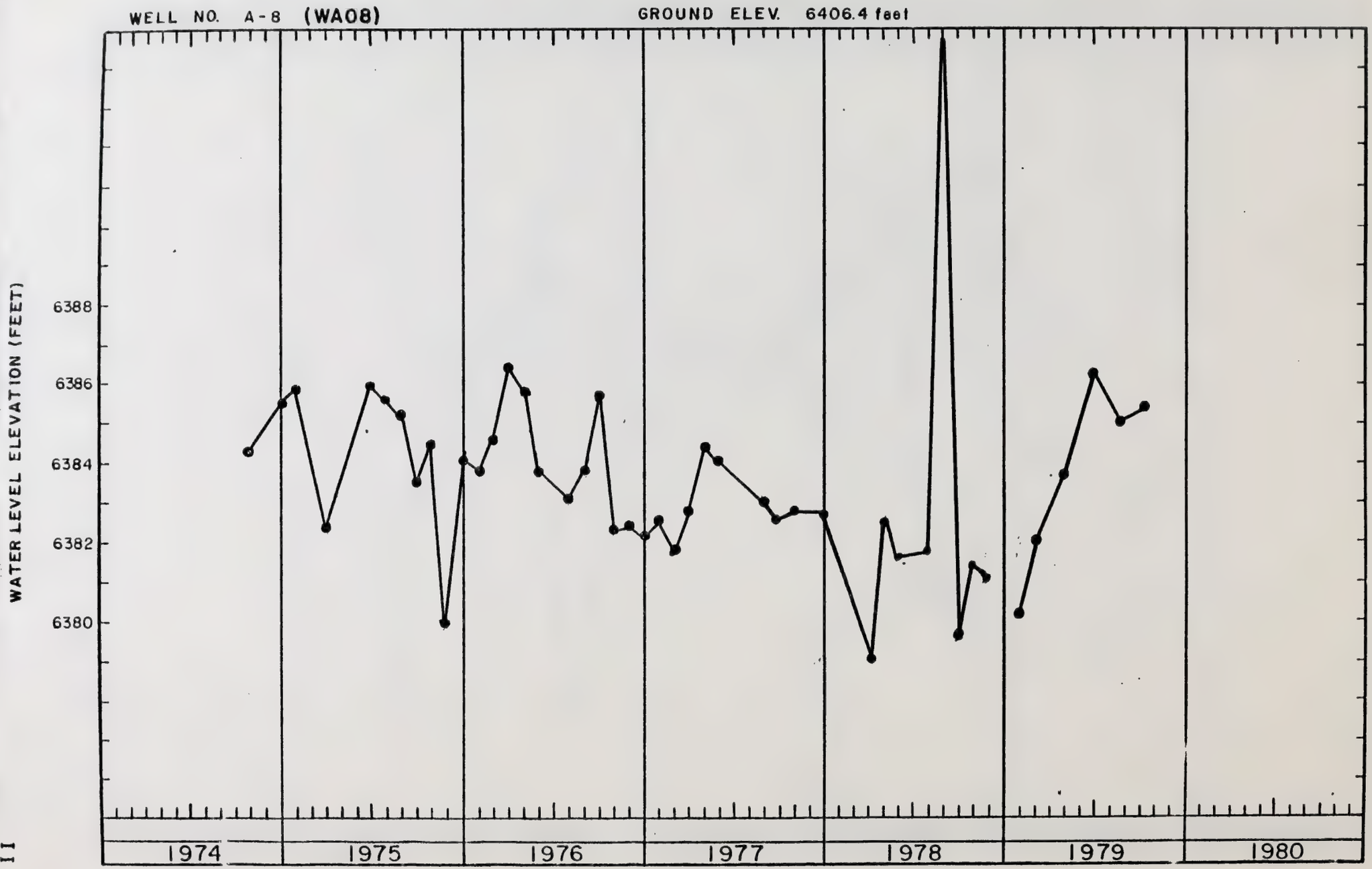
WATER LEVEL DATA


WELL NO. A-5 (WA05)
GROUND ELEV. 6343 feet
WATER LEVEL ELEVATION (FEET)
6328
6326
6324
6322
1974
1975
1976
1977
1978
1979
1980
WATER LEVEL DATA

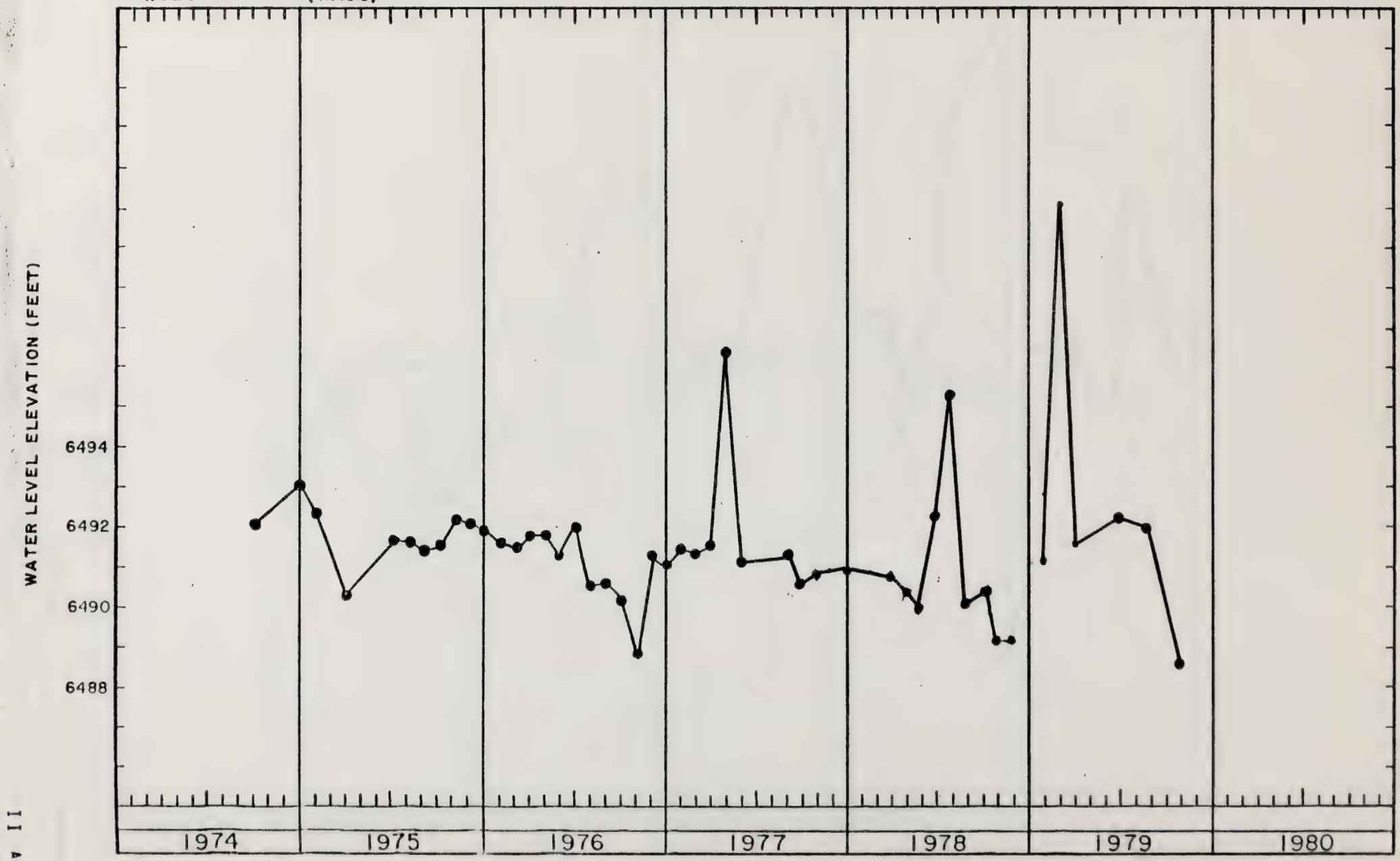

WELL NO. A-6 (WA06)
GROUND ELEV. 6358 feet
WATER LEVEL ELEVATION (FEET)
6334
6332
6330
6328
6326
6324
6322
1974
1975
1976
1977
1978
1979
1980
WATER LEVEL DATA



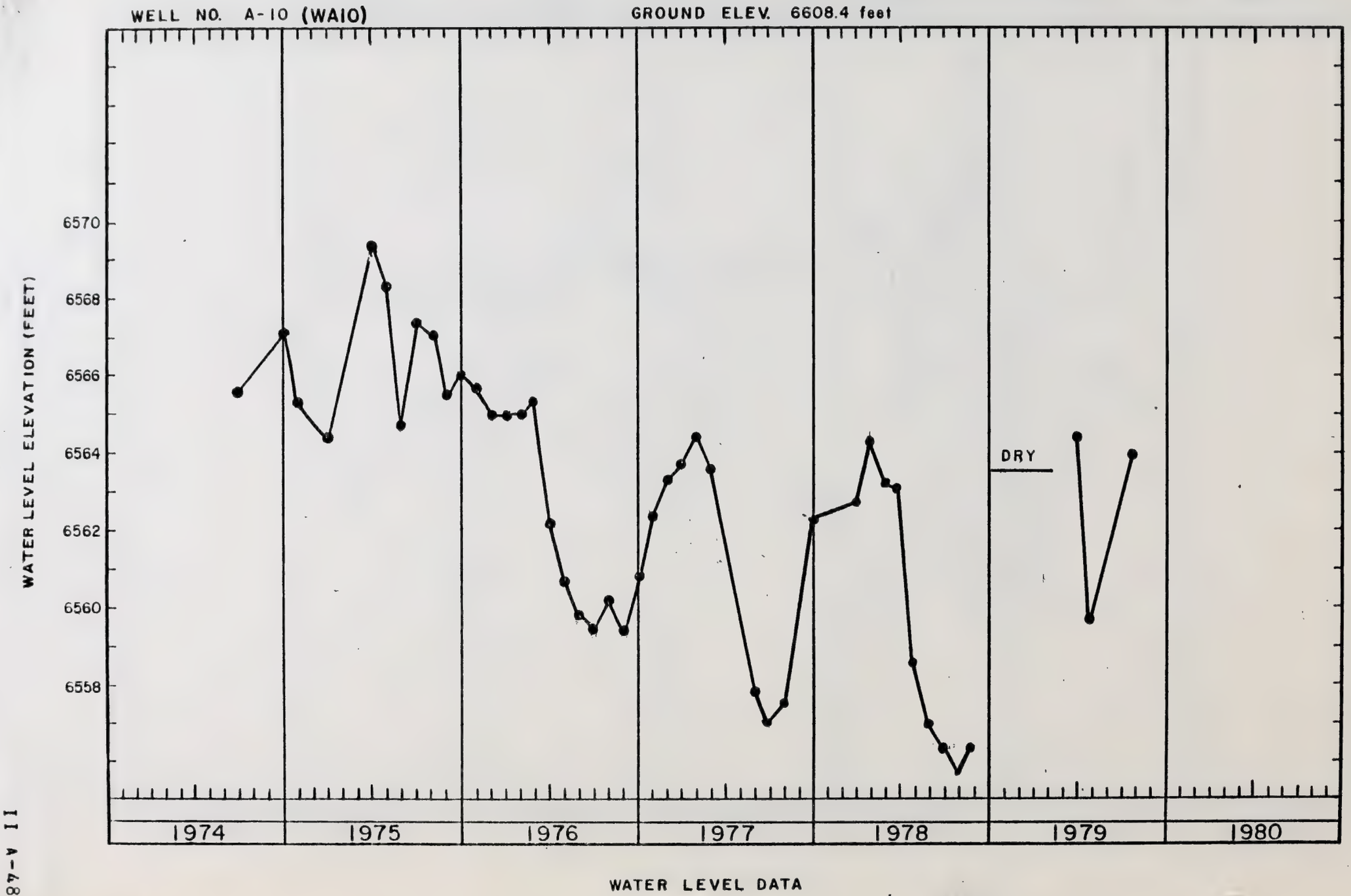
WATER LEVEL DATA


WELL NO. A-8 (WA08)
GROUND ELEV. 6406.4 feet
WATER LEVEL ELEVATION (FEET)
6388
6386
6384
6382
6380
1974
1975
1976
1977
1978
1979
1980
WATER LEVEL DATA

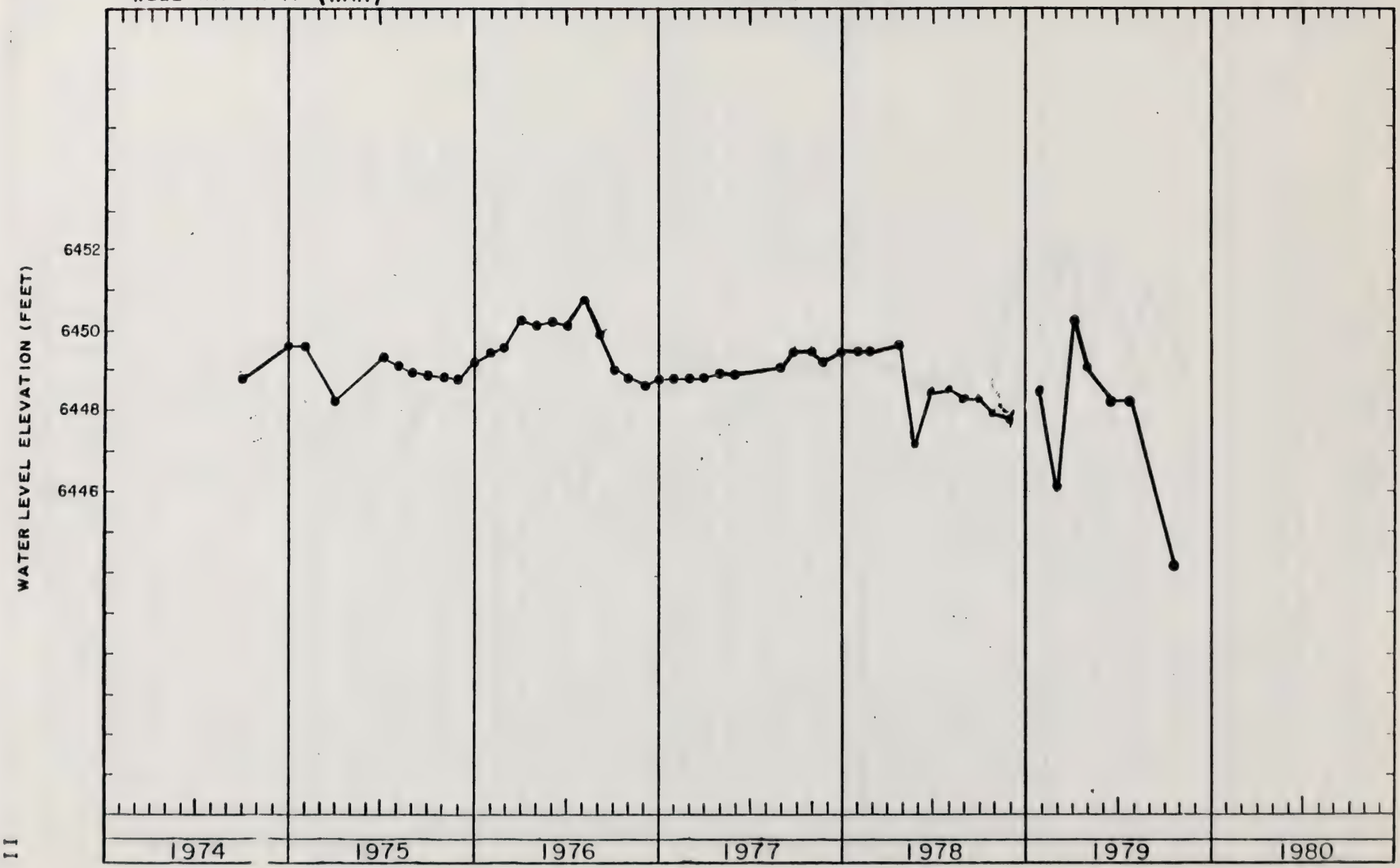
WELL NO. A-9 (WA09) GROUND ELEV. 6538 feet



WATER LEVEL DATA


WELL NO. A-10 (WAIO)
GROUND ELEV. 6608.4 feet
WATER LEVEL ELEVATION (FEET)
6570
6568
6566
6564
6562
6560
6558
DRY
1974
1975
1976
1977
1978
1979
1980
WATER LEVEL DATA

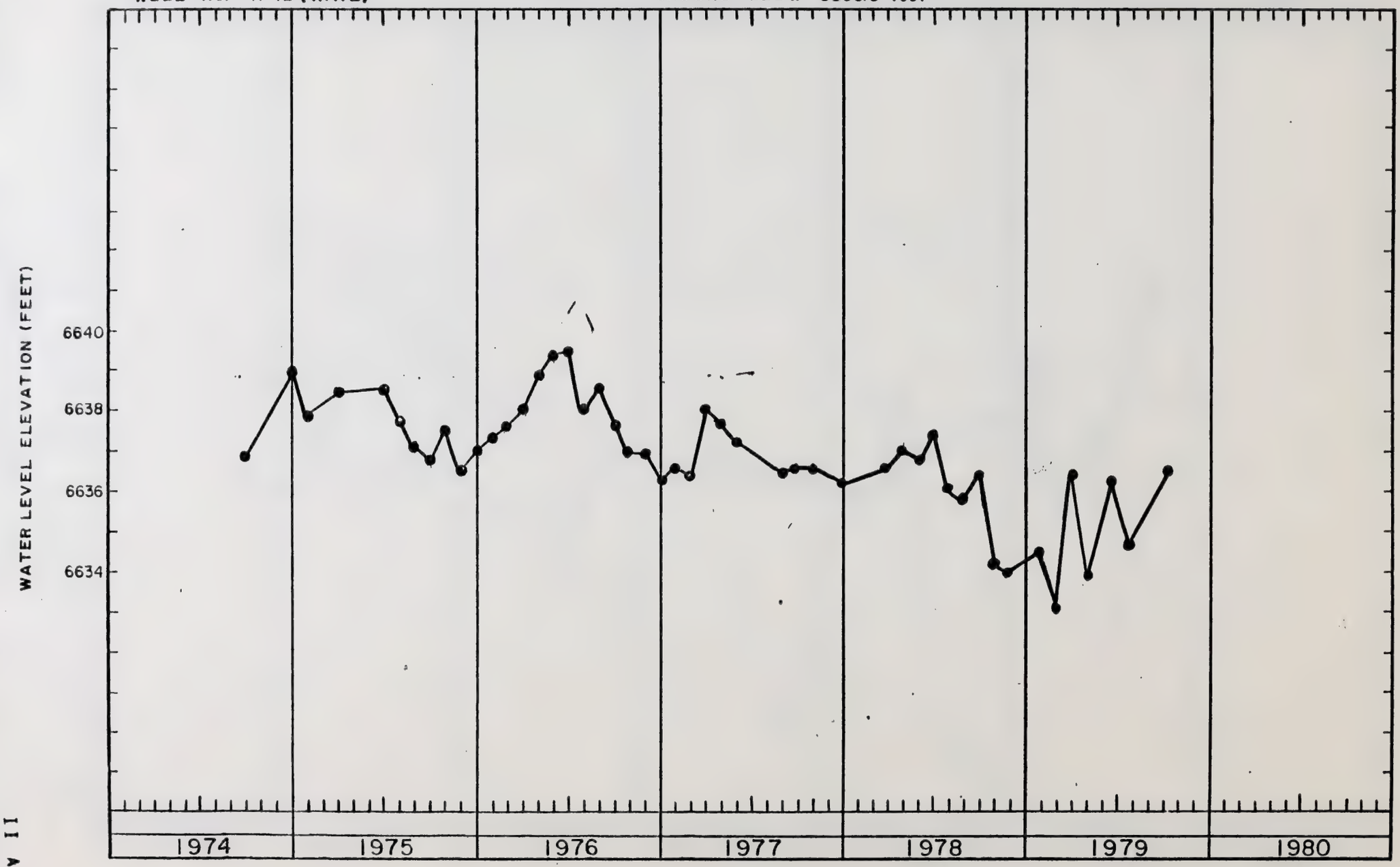
WELL NO. A-11 (WA11) GROUND ELEV. 6502 feet



WATER LEVEL DATA

WELL NO. A-12 (WA12)

GROUND ELEV. 6690.3 feet



WATER LEVEL DATA

Table II A-11a

STEVEN'S RECORDER MAXIMUM WELL DEPTHS

STATION: WA01 (DISTANCE FROM SURFACE IN FEET) YEAR: 1979

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	44.20	44.15	46.96	46.67	46.67	45.17	40.44	40.98	45.83	45.83	45.61	45.61
2	45.80					44.88	40.43					
3						44.86	40.42					
4						44.86	40.42					
5						44.85	40.42					
6						44.05	40.45					
7						43.94	40.54			45.83		45.61
8						43.86	40.61			45.02		
9						43.84	40.68			45.02		
10						43.63	40.68			45.02		
11						43.50	40.71			45.02		
12		44.15				43.32	40.79			45.13		
13		46.93	46.96			43.23	40.93			45.13		
14		46.91	46.97		46.67	43.13	40.93			45.13		
15	45.80	46.95	46.97		46.66	43.11	41.02			45.13		
16	44.26	46.91	46.97		46.66	43.27	41.02			45.14		
17	44.15	46.89	46.87		46.66	43.35	41.02			45.54		
18		46.88	46.78		46.64	43.46	40.99			45.54		
19		46.94	46.68		46.62	43.75	40.98	40.98		45.64		
20		46.95	46.67		46.56	43.88	40.98	45.83		45.61		
21		46.94			46.40	43.77	40.98					
22		46.95			46.40	43.88	40.08					
23		46.95			46.24	44.11	40.98					
24		46.92			46.14	44.22						
25		46.91			46.09	44.22						
26		46.96			46.04	44.30						
27		46.93			45.96	44.40						
28		46.96			45.72	44.40						
29					45.60	40.40						
30				46.67	45.24	40.45			45.83		45.61	
31	44.15		46.67		45.24		40.98	45.83		45.61		
AVG.												

Table II A-11b

STEVEN'S RECORDER MAXIMUM WELL DEPTHS

STATION WA02 (DISTANCE FROM SURFACE IN FEET) YEAR: 1979

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1								15.75	13.63	13.42	10.13	10.09
2								15.78	13.66	13.39	10.10	10.17
3								15.81	13.72	13.39	10.06	9.95
4								15.81	13.74	13.33	10.03	
5								15.78	13.75	13.28	9.97	
6								15.76	13.77	13.25	9.96	
7								15.75	13.80	13.22	9.95	
8								15.78	13.83	13.17	9.95	
9								15.80	13.85	13.11	9.93	
10								15.83	13.87	13.06	9.82	
11								15.86	13.89	10.75	9.76	
12								15.91	13.89	10.75	9.70	
13								15.96	13.91	10.71	9.65	
14								16.00	13.91	10.66	9.60	
15								14.11	13.91	10.61	9.56	
16								14.18	13.91	10.56	9.52	
17								14.24	13.90	10.53	9.50	
18								14.30	13.87	10.48	9.46	
19								14.36	13.86	10.43	9.42	
20								14.43	13.83	10.39	9.39	
21								14.47	13.79	10.39	9.35	
22								14.52	13.73	10.35	9.46	
23								14.58	13.75	10.33	9.53	
24							15.18	14.63	13.73	10.29	9.46	
25							15.34	14.67	13.67	10.24	9.39	
26							15.43	14.72	13.64	10.20	9.34	
27							15.53	14.77	13.62	10.14	9.31	
28							15.59	13.46	13.56	10.11	9.41	
29							15.65	13.50	13.53	10.10	9.63	
30							15.69	13.56	13.47	10.10	9.88	
31							15.72	13.59		10.11		
AVG.												

Table II A-11c

STEVEN'S RECORDER MAXIMUM WELL DEPTHS

STATION: WA03 (DISTANCE FROM SURFACE IN FEET) YEAR: 1979

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1								73.01			74.39	74.25
2								73.05			74.39	74.25
3								73.12			74.37	74.25
4								73.14				
5								73.14				
6								73.14				
7								73.14				
8								73.12				
9								73.09				
10								73.05				
11								73.00		74.43		
12								73.00		74.41	74.37	
13								72.99		74.42	74.33	
14								72.93		74.42	74.33	
15								72.90		74.43	74.32	
16										74.43	74.31	
17										74.42	74.30	
18			83.90				76.43			74.42	74.30	
19	83.60						74.10			74.43	74.29	
20							72.03			74.43	74.28	
21							72.13			74.42	74.27	
22							72.23			74.40	74.25	
23							72.31			74.40		
24							72.41			74.39		
25							72.49					
26							72.60					
27							72.67					
28							72.76					
29							72.83					
30							72.89				74.25	
31							72.97			74.39		
AVG.												

Table II A-11d

STEVEN'S RECORDER MAXIMUM WELL DEPTHS

STATION: WA05 (DISTANCE FROM SURFACE IN FEET) YEAR: 1979

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	18.36	18.40	18.44	18.40	18.40	18.40	17.70	17.63	17.54	17.43	17.83	17.55
2						18.40	17.63		17.54	17.43		17.55
3						18.40	17.63		17.54	17.42		17.55
4						18.40	17.63		17.52	17.43		17.53
5						18.40	17.63		17.44			17.50
6	18.36					17.33	17.62					17.48
7	18.37	18.40				17.36	17.62				17.83	17.47
8	18.37	18.41	18.44			16.84	17.62				17.47	
9	18.37	18.42	18.42			16.84	17.62	17.63				
10	18.37	18.45	18.42			16.89	17.55	17.73				
11	18.37	18.46	18.42			16.92	17.50	17.73	17.44			
12	18.39		18.42			16.95	17.57	17.72	17.45	17.43		
13	18.41		18.41			17.13	17.56	17.53		RF		
14	18.41		18.40			17.13	17.56			RF		
15	18.41					17.12	17.57			RF		
16	18.41					17.11	17.61			17.70		
17	18.42					17.03	17.61			17.70		
18	18.42					16.95	17.61			17.82		
19	18.42					16.94	17.62	17.53		17.83		
20	18.46	18.46				16.94		17.54			17.47	
21	18.46	18.45				16.90			17.45		17.49	
22	18.46	18.45				16.86			17.44		17.49	
23	18.46	18.45				16.84			17.42		17.47	
24	18.44	18.44				16.82			17.43		17.39	
25	18.40	18.44				16.80	17.62		17.35		17.39	
26	18.41	18.44				16.74	17.63		17.37		17.39	
27	18.41	18.44				16.73			17.41		17.39	
28	18.41	18.44				16.60			17.41		17.50	
29	18.40					16.58			17.42		17.55	
30	18.40			18.40		16.58			17.42		17.55	
31	18.40		18.40		18.40		17.63	17.54		17.83		
AVG.												

Table II A-11e

STEVEN'S RECORDER MAXIMUM WELL DEPTHS

STATION: WA06 (DISTANCE FROM SURFACE IN FEET) YEAR: 1979

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	32.80						26.90	24.08	28.68	28.59	RF	29.52
2	RF						25.78	24.08	28.64	28.59		29.41
3							26.03	23.36	28.61	28.58		29.33
4							26.16	22.72	28.59	28.58		29.24
5							26.16	22.13		27.92		29.16
6							26.14	21.57		27.92	RF	
7							26.14	21.06		27.89	31.46	
8							26.14	20.59		27.87	31.60	
9							26.10	20.18		32.80	31.72	
10								19.83		32.80	31.85	
11								19.45		32.76	31.96	
12								19.22		32.69	31.98	
13								18.89		32.63	31.88	
14						25.97	26.10	18.62		32.61	31.67	
15	RF					26.00	26.37	18.31		32.70	31.49	
16						26.12	26.76	18.16		32.70	31.36	
17						26.39	27.17	17.93		32.70	31.19	
18						26.51	27.37	17.71		33.59	30.99	
19						26.62	27.52	17.54		33.84	30.90	
20						26.88	23.30	30.20		33.84	30.75	
21						26.92	22.93	30.17		33.84	30.66	
22						26.99	22.96	30.03		33.84	30.50	
23						26.99	22.93	29.85		33.84	30.35	
24						26.90	22.72	29.76		RF	30.22	
25							22.59	29.59			30.11	
26							22.80	29.44			29.99	
27							22.81	29.28			29.90	
28							23.01	29.17			29.80	
29							23.60	29.02			29.70	
30						26.90	23.89	28.86	28.59		29.59	
31							23.99	28.73		RF		
AVG.												

Table II A-11f

STEVEN'S RECORDER MAXIMUM WELL DEPTHS

STATION: WA07 (DISTANCE FROM SURFACE IN FEET) YEAR: 1979

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1									31.84	30.39	31.64	32.11
2									31.76	30.42	31.64	32.12
3									31.68	30.42	31.64	32.12
4									31.63	30.44	31.64	32.12
5									31.55	30.46	32.09	32.12
6									31.45	30.46		32.12
7									31.37	30.47		
8									31.31	30.47		
9									31.25	31.91		
10									31.18	31.83	32.09	
11									31.13	31.83	32.10	
12									31.06	31.83		
13									31.01	31.83		
14									30.96	31.82		
15									30.90	31.81		
16									30.85	31.64		
17									30.80			
18									30.74			
19									30.70			
20								32.83	30.65			
21								32.80	30.61		32.10	
22								32.71	30.56		32.11	
23								32.62	30.51			
24								32.51	30.46			
25								32.43	30.42			
26								32.32	30.39			
27								32.23	30.34			
28								32.15	30.32			
29								32.05	30.33			
30								31.98	30.36		32.11	
31								31.91		31.64		
AVG.												

Table II A-11g

STEVEN'S RECORDER MAXIMUM WELL DEPTHS

STATION: WA08 (DISTANCE FROM SURFACE IN FEET) YEAR: 1979

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1							22.40	RF	37.21	37.41	RF	RF
2							22.42		37.21			
3							22.42		37.21			
4							22.42		37.21			
5							21.47		37.22			
6							20.99		37.22			RF
7							20.89		37.23			
8							20.88					
9							20.87					
10		RECORDER					20.85					
11		FAILURE					20.84		37.23			
12		(from 1/1/79 to 6/20/79					20.83		37.24			
13		and 6/22/79 to 6/28/79)					20.83					
14							20.83			37.41		
15							20.82			RF		
16							20.82		37.24			
17							20.82		37.25			
18							20.83		37.25			
19							20.83		37.26			
20							20.84		37.41			
21						22.10	20.77					
22							20.55					
23							20.52					
24							RF					
25												
26								RF				
27								37.19				
28								37.20				
29						22.60		37.21				
30						22.57		37.21	37.41		RF	
31							RF	37.21		RF		
AVG.												

Table II A-11h

STEVEN'S RECORDER MAXIMUM WELL DEPTHS

STATION: WA09 (DISTANCE FROM SURFACE IN FEET) YEAR: 1979

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1									48.39	49.10	RF	RF
2												
3												
4												
5												
6												
7												RF
8												
9												
10												
11										49.10		
12										48.40		
13									48.39	48.40		
14									49.10	48.40		
15										48.41		
16										48.41		
17										49.92		
18										49.92		
19										RF		
20												
21												
22												
23												
24								48.39				
25												
26												
27												
28												
29												
30									49.10		RF	
31								48.39		RF		
AVG.												

RF=Recorder Failure

Table II A-11i

STEVEN'S RECORDER MAXIMUM WELL DEPTHS

STATION: WA10 (DISTANCE FROM SURFACE IN FEET) YEAR: 1979

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1											RF	RF
2												
3												
4												
5												
6												RF
7												
8												
9												
10												
11												
12		D R Y										
13		(from 1/1/79 to 10/15/79)										
14												
15												
16										RF		
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31										RF	RF	
AVG.												

RF=Recorder Failure

Table II A-11j

STEVEN'S RECORDER MAXIMUM WELL DEPTHS

STATION: WA11 (DISTANCE FROM SURFACE IN FEET) YEAR: 1979

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	54.56	54.60	54.60	RF	RF	RF	53.93		55.86	55.84		
2	54.56											
3	54.53											
4												
5										55.84		
6										70.59		
7												
8												
9												
10												
11												
12												
13												
14									55.86			
15								55.86	55.84			
16												
17												
18	54.53									70.59		
19	54.60									70.57		
20			54.60									
21			54.68									
22			54.63									
23												
24												
25												
26												
27												
28		54.60	54.63			RF						
29			RF			53.93						
30			RF	RF		53.93	53.93		55.84			
31	54.60		RF		RF			55.86				
AVG.												

RF=Recorder Failure

Table II A-11k

STEVEN'S RECORDER MAXIMUM WELL DEPTHS

STATION: WA12 (DISTANCE FROM SURFACE IN FEET) YEAR: 1979

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	56.43								56.56	56.37		
2	56.50								56.56	56.36		
3									56.55	56.36		
4									56.53	56.36		
5									56.49	56.35		
6									56.48	56.35		
7									56.46	56.34		
8									56.46	56.33		
9									56.45	56.33		
10									56.45	56.32		
11									56.44	56.32		
12									56.42	56.32		
13				RECORDER					56.42	56.31		
14				FAILURE					56.42	56.31		
15				(from 1/20/79 to 8/14/79)				56.60	56.42	56.31		
16									56.40			
17												
18												
19	56.50											
20								56.60				
21								56.59				
22								56.59				
23								56.59				
24								56.58				
25								56.58				
26								56.58	56.40			
27								56.58	56.39			
28								56.57	56.39			
29								56.57	56.39			
30								56.57	56.38			
31								56.57				
AVG.												

Table II A-11j

STEVEN'S RECORDER MAXIMUM WELL DEPTHS

STATION: WA11 (DISTANCE FROM SURFACE IN FEET) YEAR: 1979

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	54.56	54.60	54.60	RF	RF	RF	53.93		55.86	55.84		
2	54.56											
3	54.53											
4												
5										55.84		
6										70.59		
7												
8												
9												
10												
11												
12												
13												
14									55.86			
15								55.86	55.84			
16												
17												
18	54.53									70.59		
19	54.60									70.57		
20			54.60									
21			54.68									
22			54.63									
23												
24												
25												
26												
27												
28		54.60	54.63			RF						
29			RF			53.93						
30			RF	RF		53.93	53.93		55.84			
31	54.60		RF		RF			55.86				
AVG.												

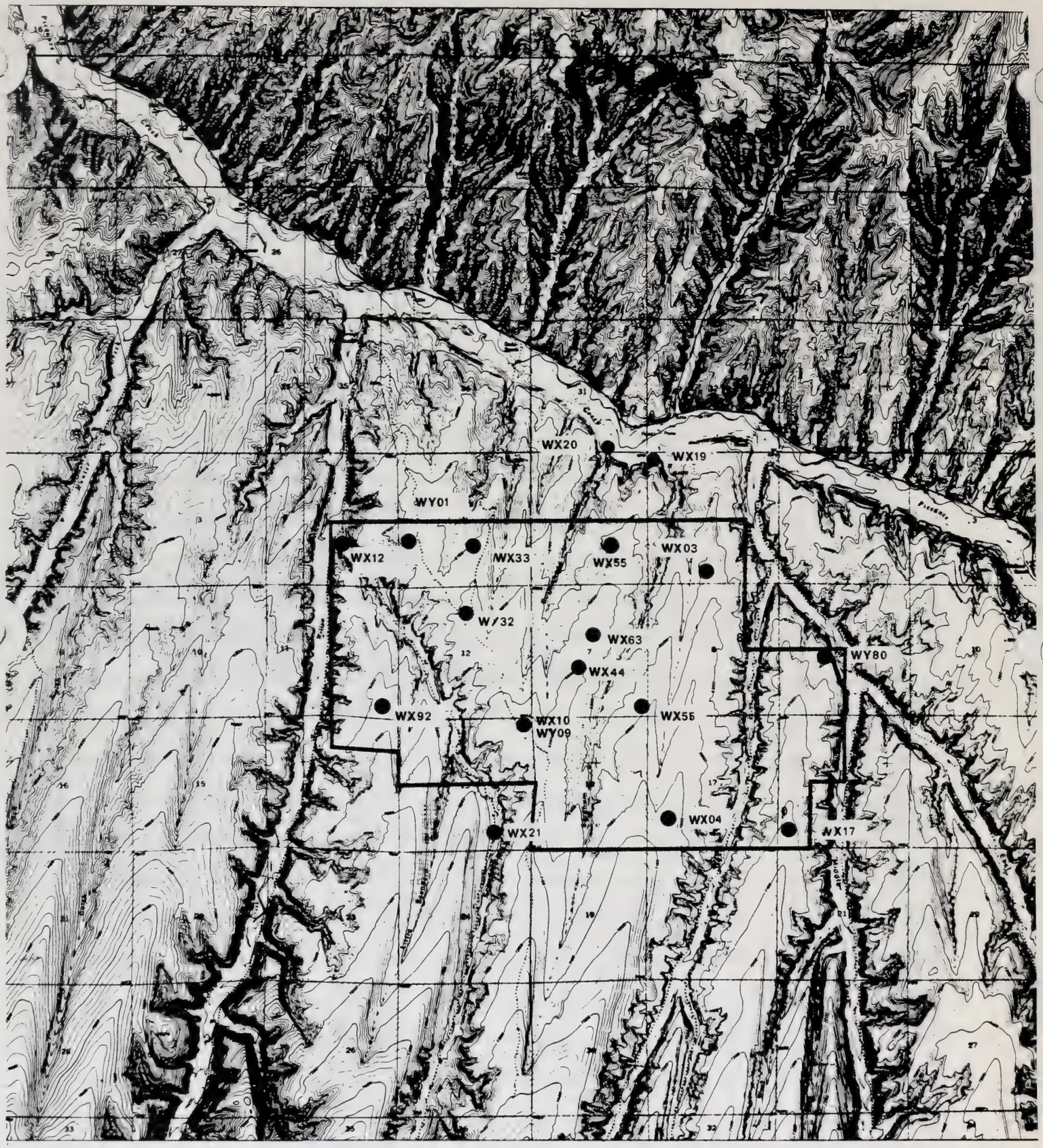
RF=Recorder Failure

Table II A-11k

STEVEN'S RECORDER MAXIMUM WELL DEPTHS

STATION: WA12 (DISTANCE FROM SURFACE IN FEET) YEAR: 1979

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	56.43								56.56	56.37		
2	56.50								56.56	56.36		
3									56.55	56.36		
4									56.53	56.36		
5									56.49	56.35		
6									56.48	56.35		
7									56.46	56.34		
8									56.46	56.33		
9									56.45	56.33		
10									56.45	56.32		
11									56.44	56.32		
12									56.42	56.32		
13				RECORDER					56.42	56.31		
14				FAILURE					56.42	56.31		
15				(from 1/20/79 to 8/14/79)				56.60	56.42	56.31		
16									56.40			
17												
18												
19	56.50											
20								56.60				
21								56.59				
22								56.59				
23								56.59				
24								56.58				
25								56.58				
26								56.58	56.40			
27								56.58	56.39			
28								56.57	56.39			
29								56.57	56.39			
30								56.57	56.38			
31								56.57				
AVG.												



DEEP WELL MONITORING NETWORK
Cb TRACT

Figure II A-9

Table II A-12

CB-TRACT
WATER LEVELS IN UPPER AQUIFER WELLS
FOR SAMPLE DATE SHOWN

WELL ID - MEASURING POINT ELEVATION (FT)

YR	MO	WX02 DEPTH (FT)	WX04 DEPTH (FT)	WX10 DEPTH (FT)	WX11 DEPTH (FT)	WX12 DEPTH (FT)	WX17 DEPTH (FT)	WX18 DEPTH (FT)	WX19 DEPTH (FT)	WX21 DEPTH (FT)	WX41 DEPTH (FT)	WX44 DEPTH (FT)	WX55 DEPTH (FT)	WX63 DEPTH (FT)	WX92 DEPTH (FT)
		6737	7057	6953	6425	6428	7038	7386	6384	6813	6460	6906	6903	6890	6873
70	1	6398	6627	6579		6366	6636	6899	6374	6706		6536		6513	6496
	2	6402	6627	6580	6347	6366	6636	6899	6364	6705		6541	6563	6510	6500
	3	6400	6633	6580	6348	6364	NS	6901	6373	6706		6541	6563	6508	6499
	4	6399	6628	6580	6346	6365	6637	6898				6541	6563	6509	6500
	6	6394	6629	6538	6346	6362	6639			6707		6541	6556	6509	6521
	7								6367						
	8	6391	6632	6538	6347	6360	6650			6706		6539	6556	6508	6522
	9	6390	6633	6538		6359	6638	6900	6364	6706		6537	6556	6507	6494
	10	6386	6633	6552	6347	6358	6638	6900	6362	6791	6436	6535	6554	6498	6493

PLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING

Table II A-12

CB-TRACT
WATER LEVELS IN UPPER AQUIFER WELL
FOR SAMPLE DATE SHOWN

YR	MO	DY	WELL ID - M P ELEV (FT) WX20 6358 DEPTH (FT)	WX32 6830 DEPTH (FT)	WX33 6707 DEPTH (FT)
79	1		FLWING	6470	6379
	2		FLWING	6470	6380
	3		FLWING	6471	6374
		9		6470	6385
		12		6470	6380
		13		6469	6380
		14		6469	6379
		15		6469	6378
		16		6470	6377
		19		6470	6375
		20		6470	6375
		21		6471	6374
		23		6472	6375
		26		6463	6374
		27		6471	6375
		28		6470	
		29		6470	6380
	4	0		6471	6365
		19		6469	6378
		25		6471	6365
	6	11		6475	6382
		18		6476	6341
		28		6473	6336
	7	2	6355		
		6		6466	6328
		13		6463	6325
		20			6318
		23		6459	
	8	3		6455	6316
		10	6350	6442	6366
		19	6352		
		21		6466	6295
		31	6353	6446	6295
	9	14		6443	6301
		21		6440	6308
		24	6350		

PLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING

Table II A-12

CB-TRACT
WATER LEVELS IN UPPER AQUIFER WELL
FOR SAMPLE DATE SHOWN

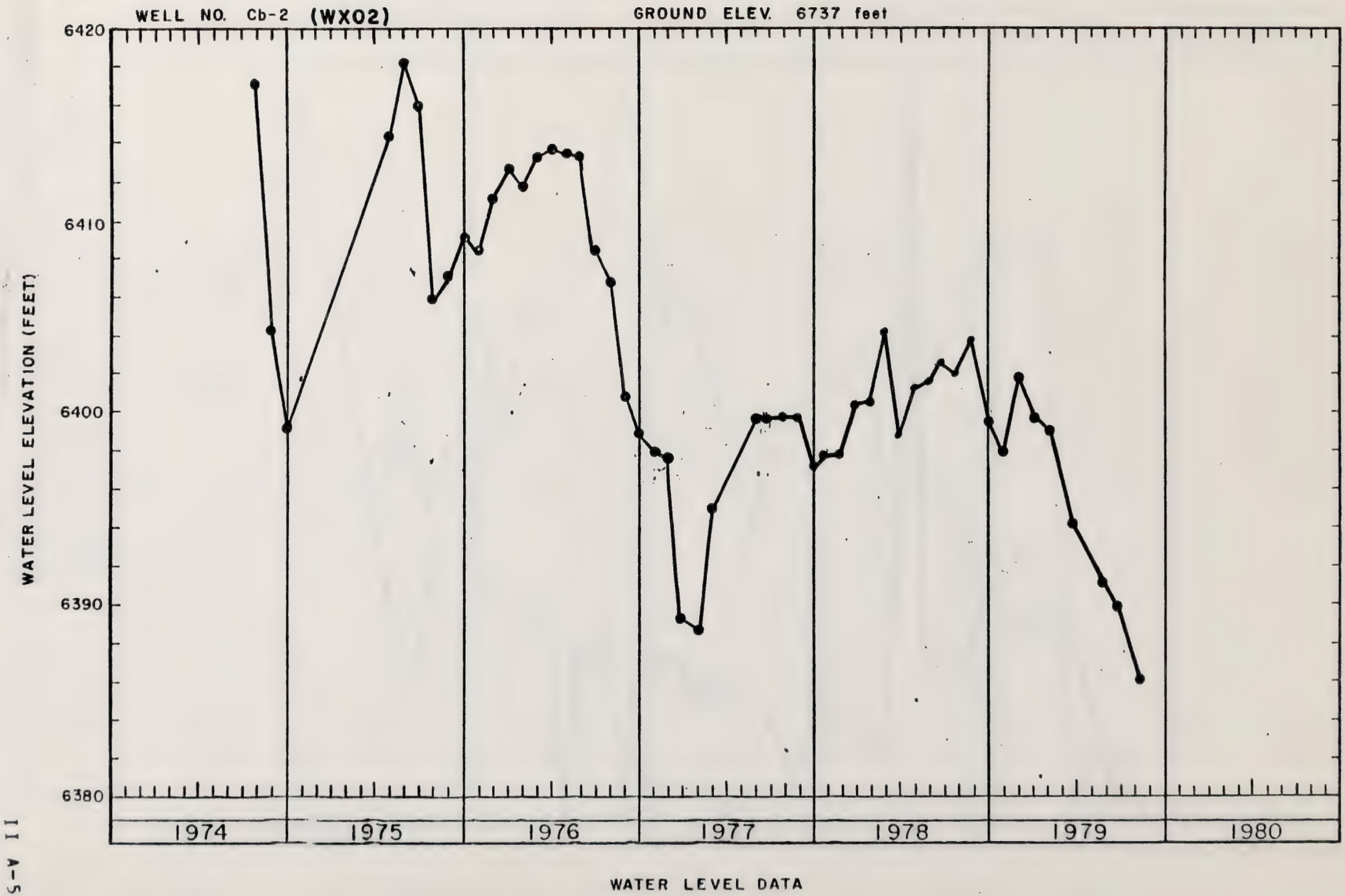
			WELL ID - M P ELEV (FT)		
			WX20	WX32	WX33
			6358	6830	6707
YR	MO	DY	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)
79	9	28	6350	6437	6310
	10	4		6434	
		5	6357		6361
		17	6348	6436	6318
		24	6347	6434	6315
		31	6347		

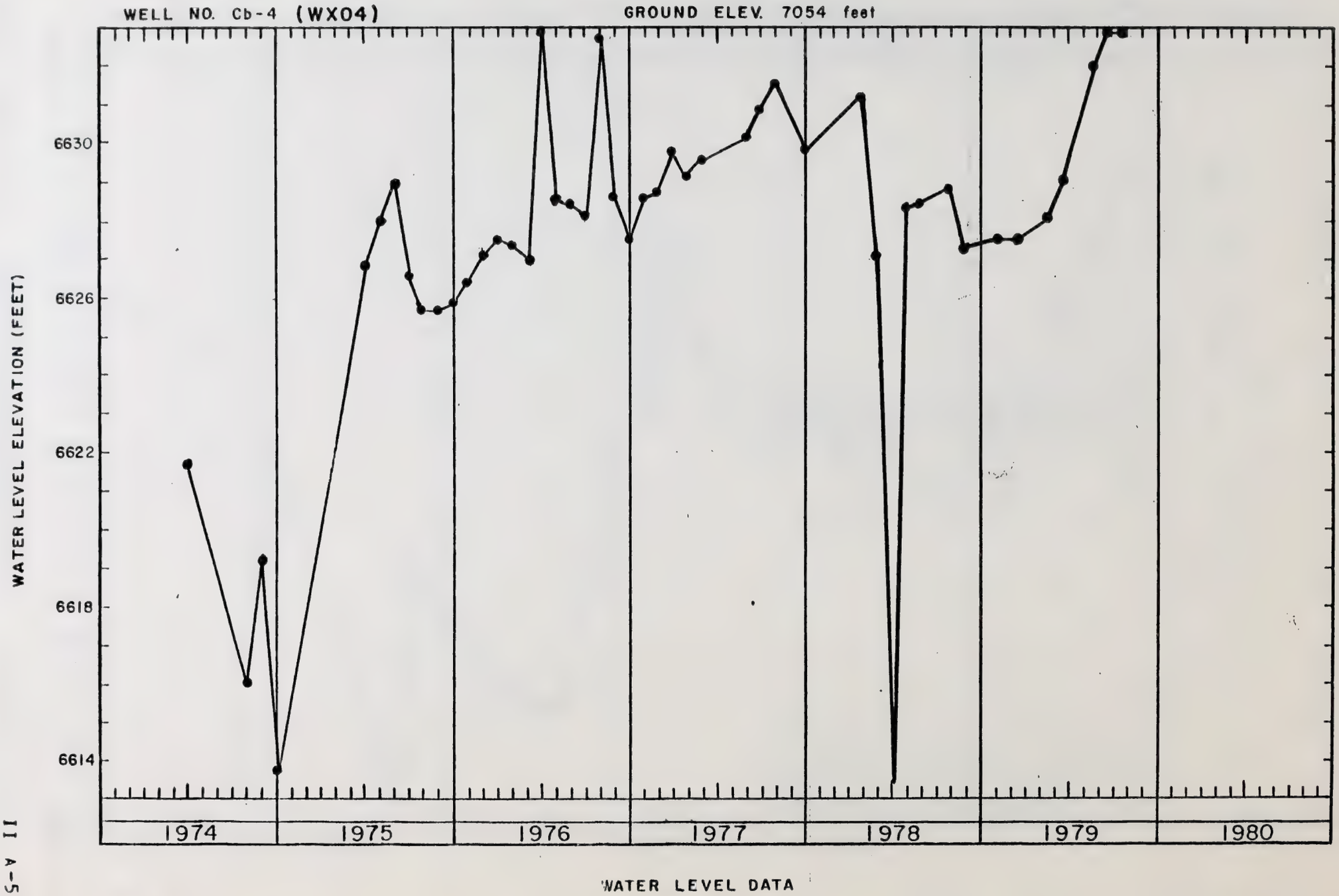
PLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING

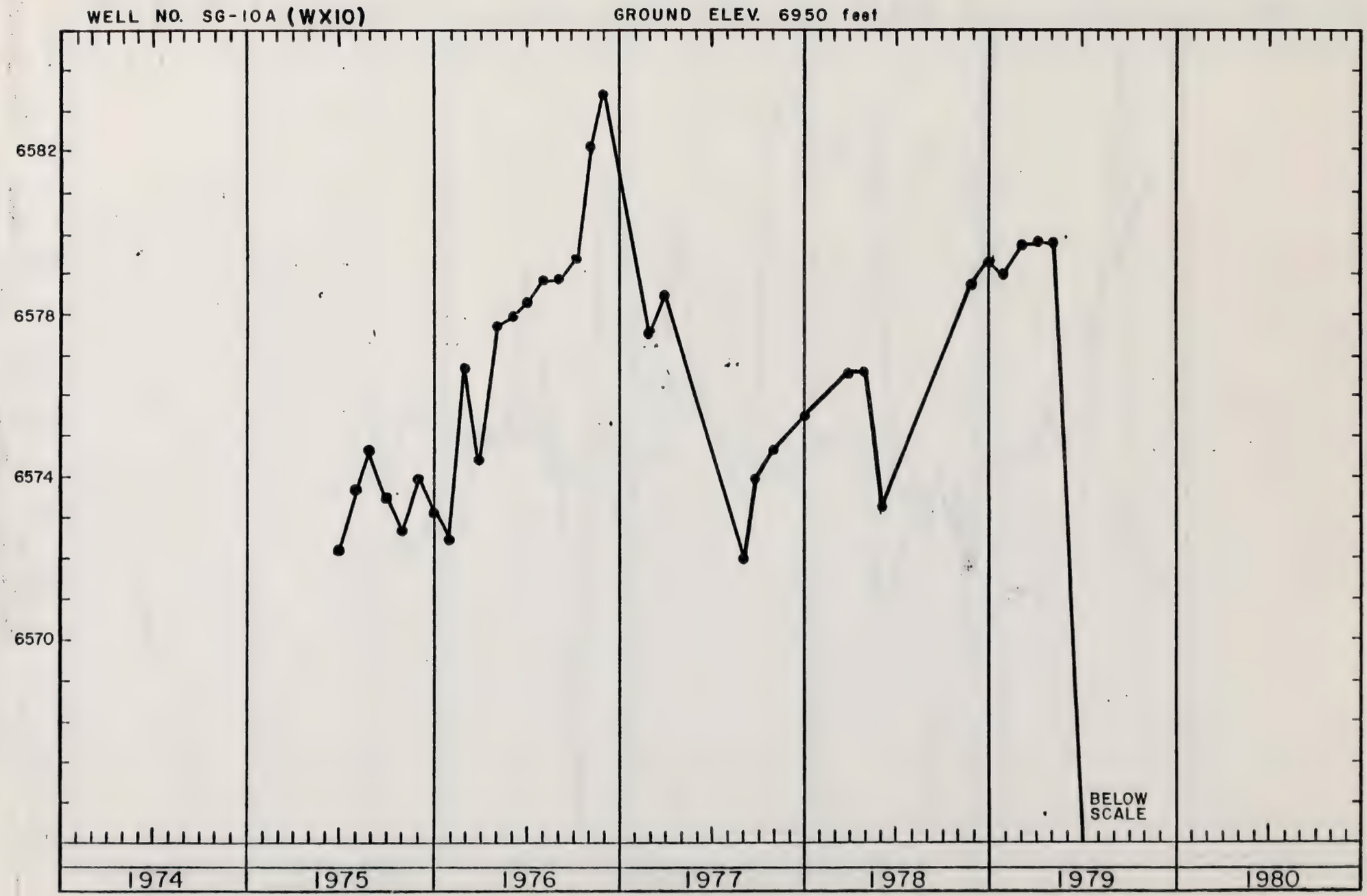
Table II A-13

HAND PLOTS OF WATER LEVELS IN UPPER AQUIFER WELLS

Well No.	Computer Code	Page No.
Cb-2	WX02	II A-503
Cb-4	WX04	II A-504
SG-10A	WX10	II A-505
SG-1-2	WX12	II A-506
SG-17-2	WX17	II A-507
SG-18A	WX18	II A-508
SG-19	WX19	II A-509
SG-20	WX20	II A-510
SG-21	WX21	II A-511
32X-12	WX32	II A-512
33X-1	WX33	II A-513
AT-1C-3	WX44	II A-514
SG-11-3	WX55	II A-515
SG-6-3	WX63	II A-516
SG-9-2	WX92	II A-517

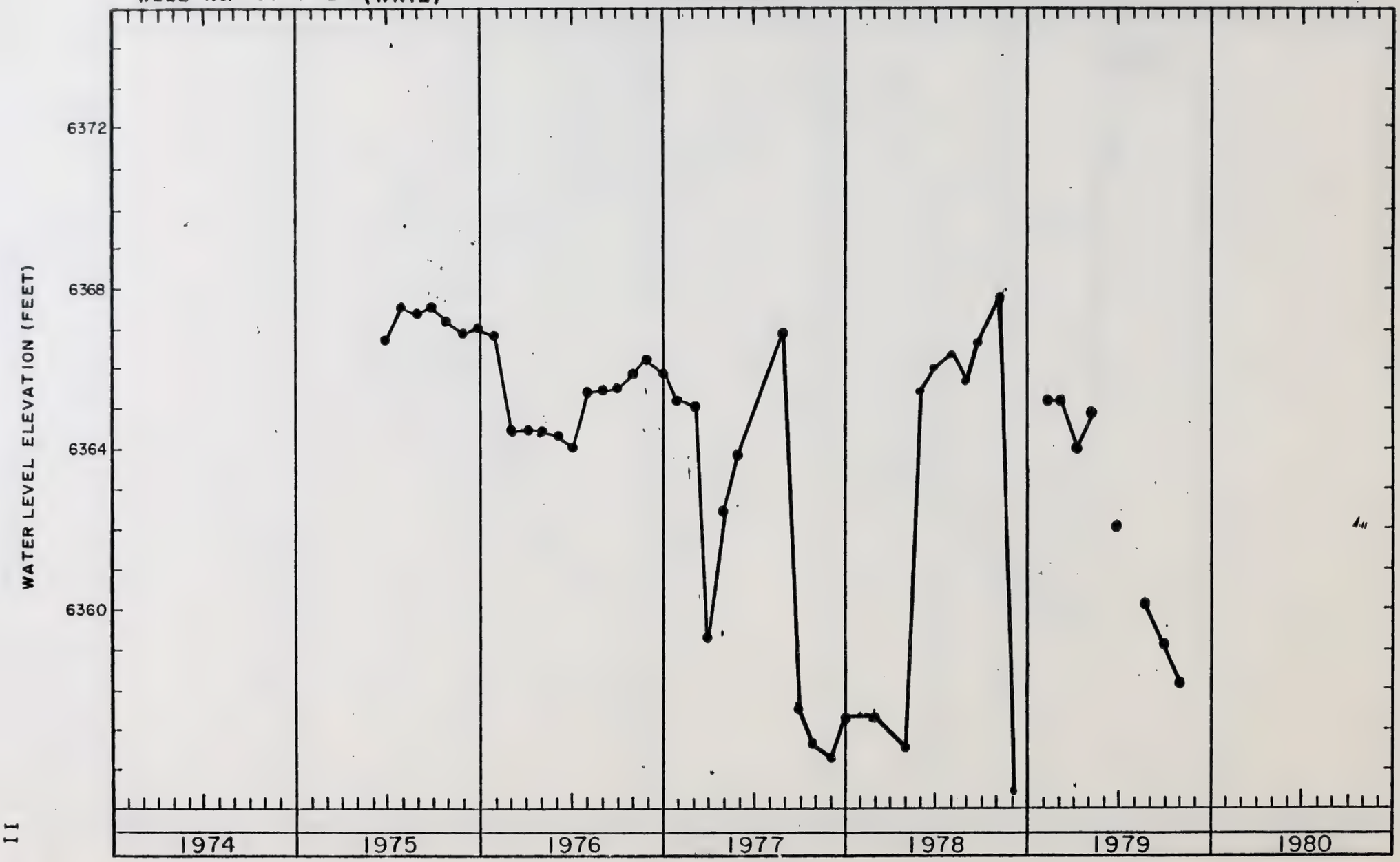

WELL NO. Cb-2 (WX02)
GROUND ELEV. 6737 feet
6420
6410
6400
6390
6380
WATER LEVEL ELEVATION (FEET)
1974
1975
1976
1977
1978
1979
1980
WATER LEVEL DATA


WELL NO. Cb-4 (WX04)
GROUND ELEV. 7054 feet
WATER LEVEL ELEVATION (FEET)
6630
6626
6622
6618
6614
1974
1975
1976
1977
1978
1979
1980
WATER LEVEL DATA

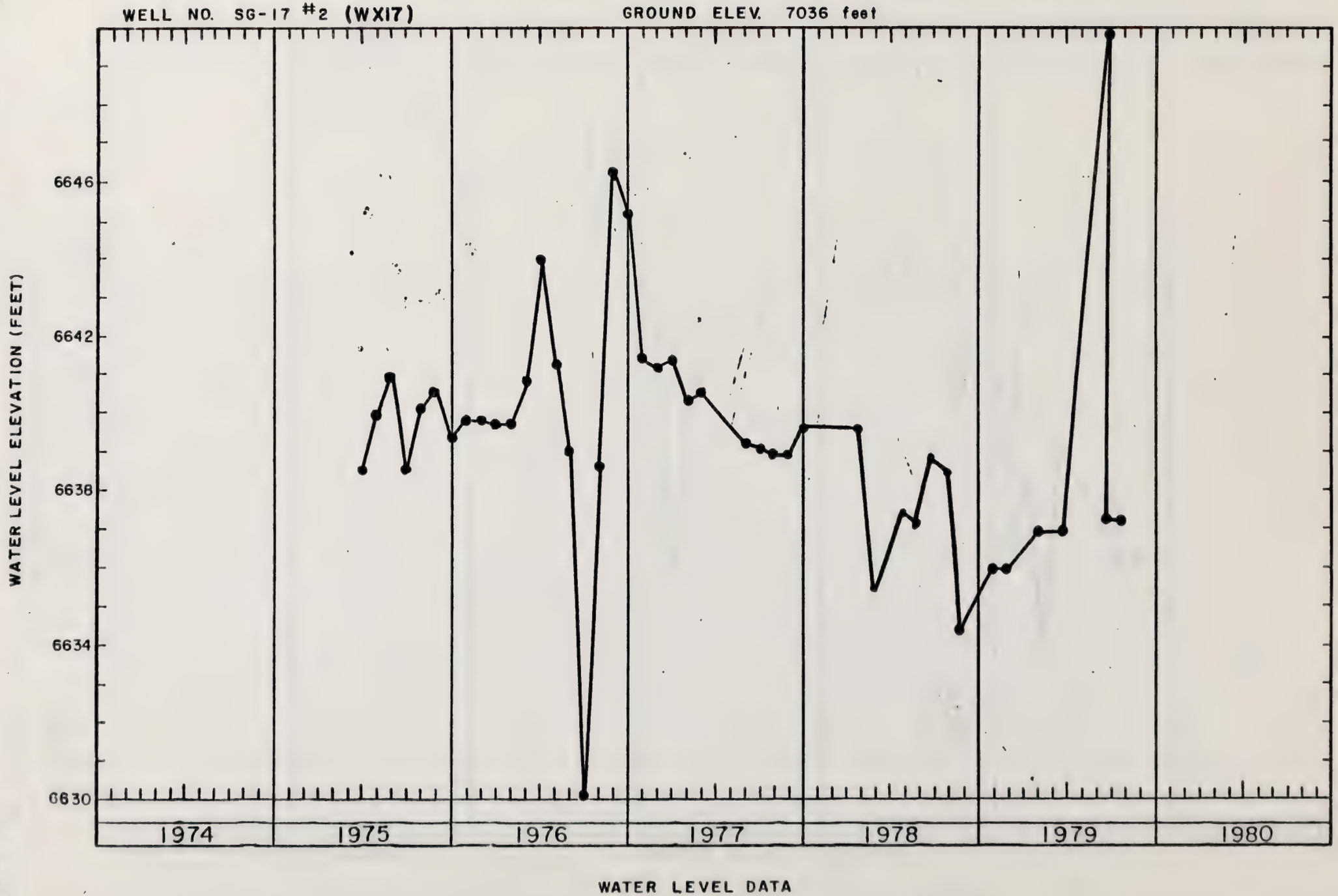


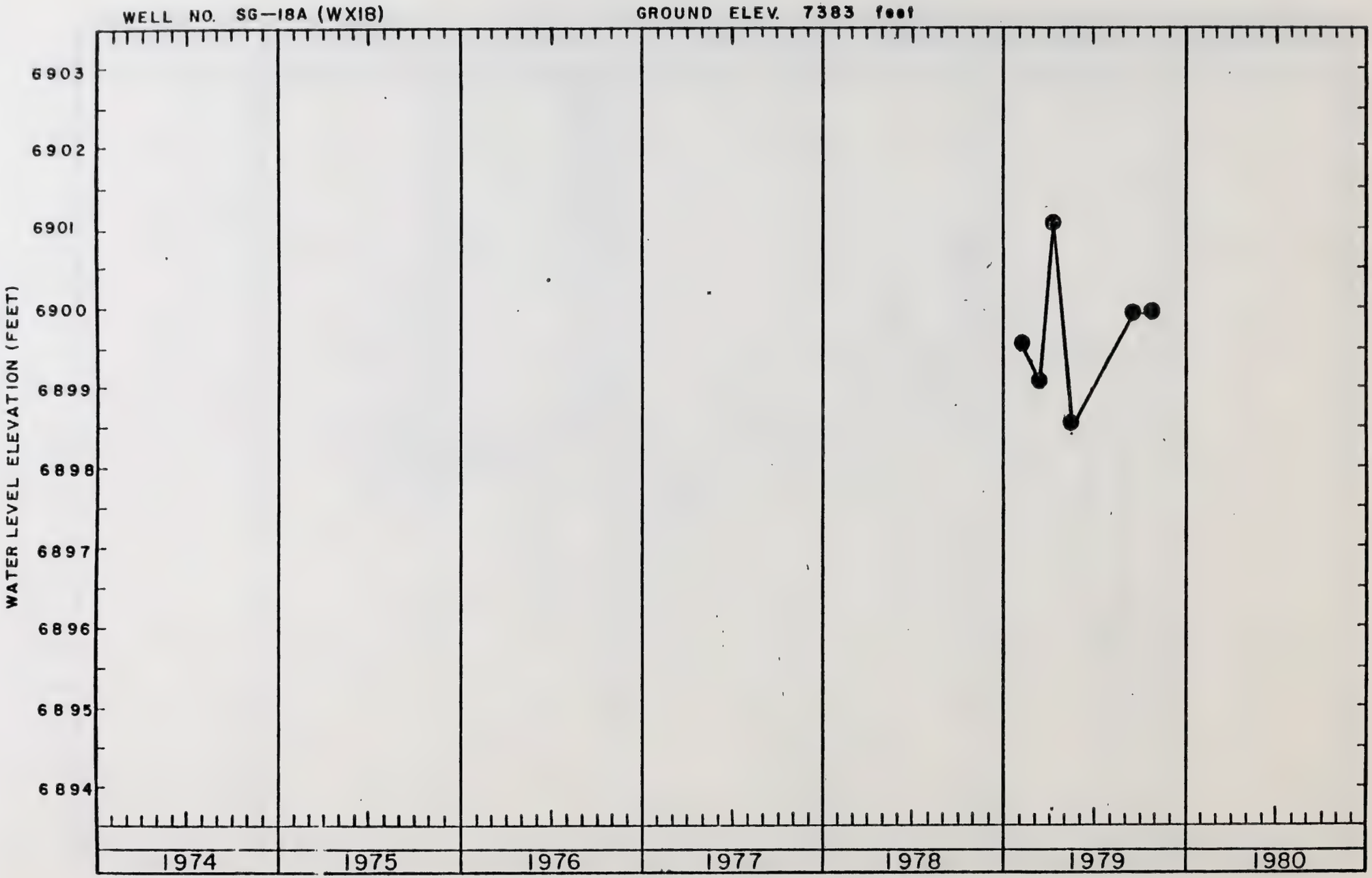
WATER LEVEL DATA

WELL NO. SG-1 #2 (WX12) GROUND ELEV. 6428 feet

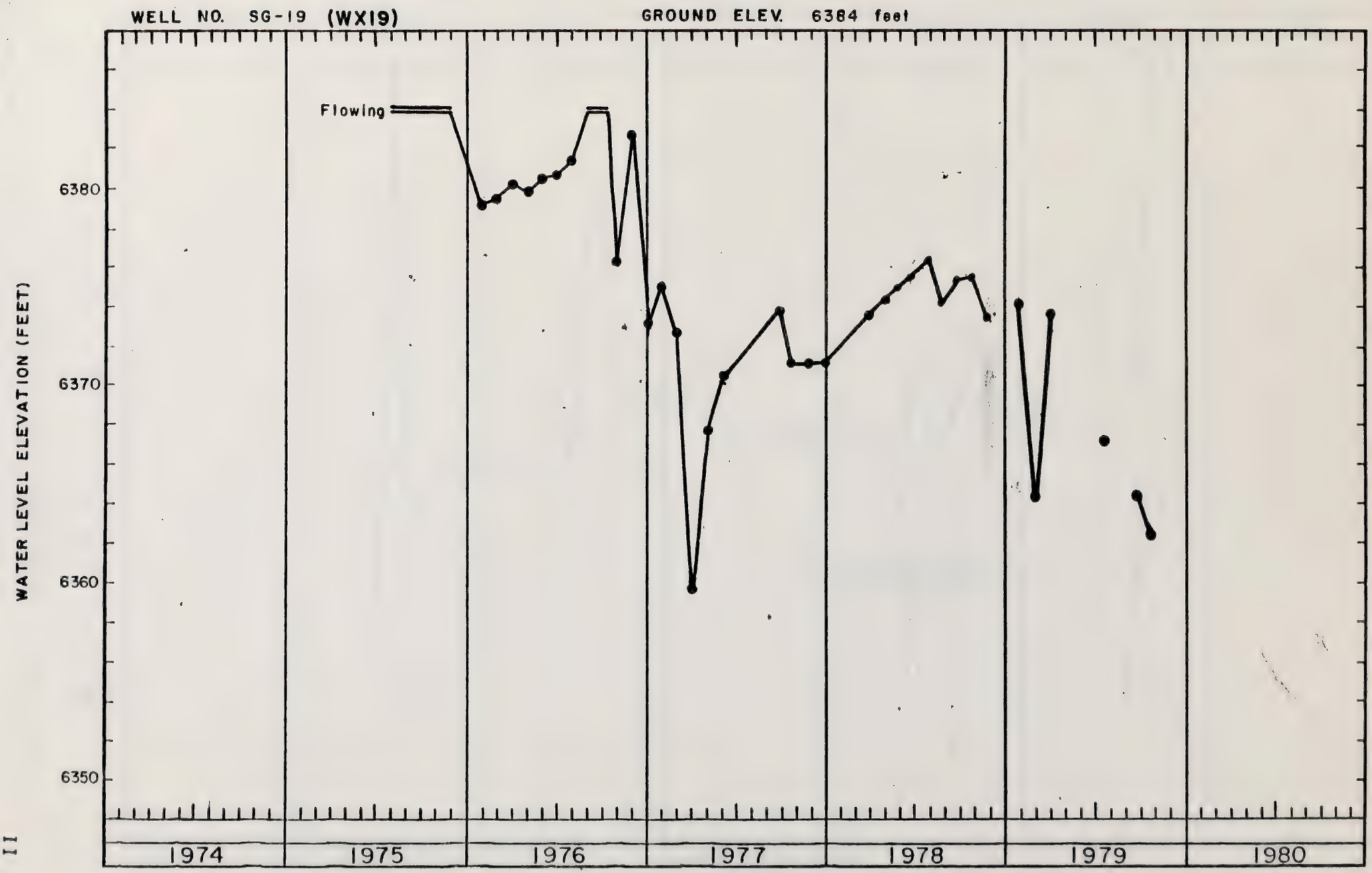


WATER LEVEL DATA

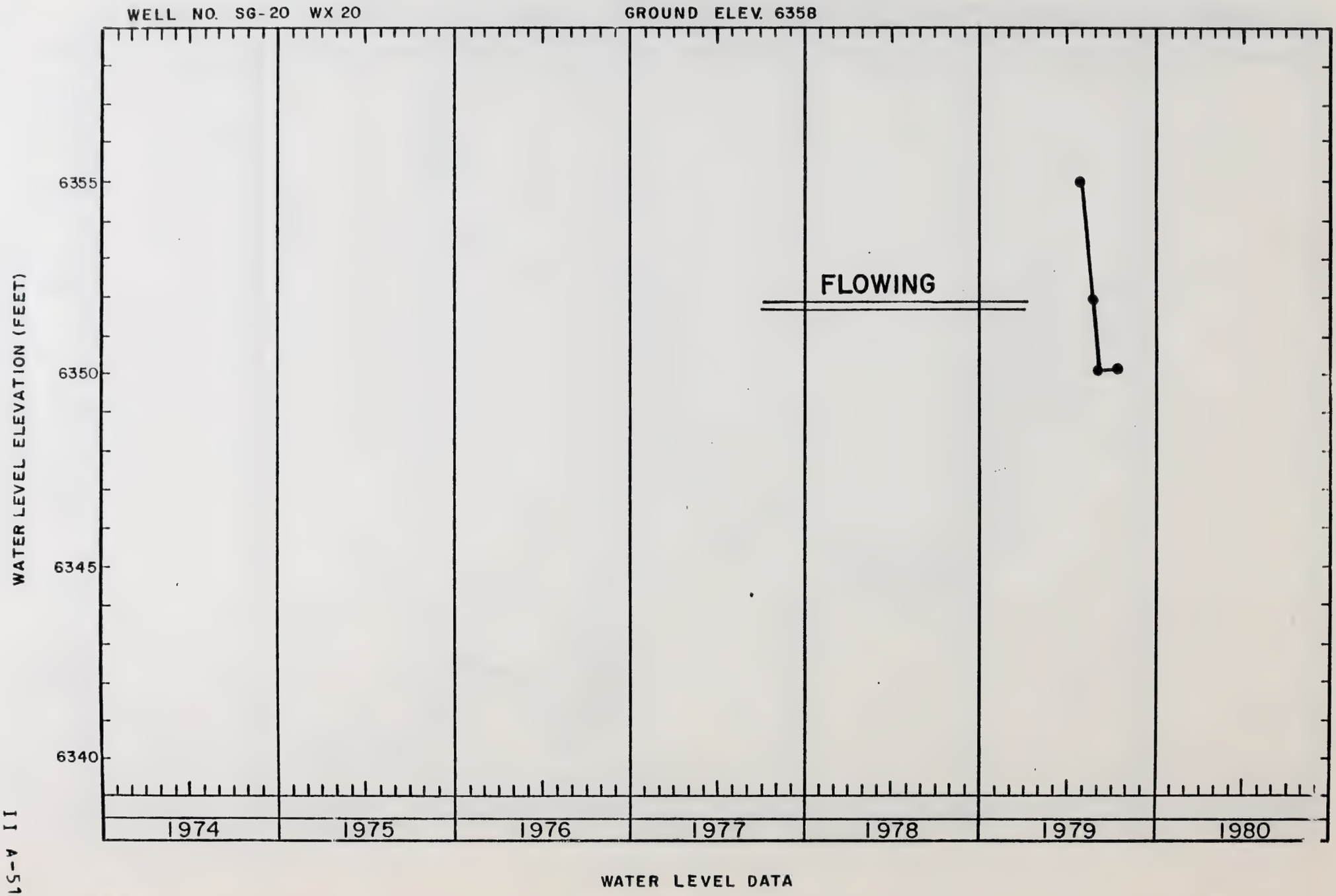

WELL NO. SG-17 #2 (WX17)
GROUND ELEV. 7036 feet
WATER LEVEL ELEVATION (FEET)
6646
6642
6638
6634
6630
1974
1975
1976
1977
1978
1979
1980
WATER LEVEL DATA

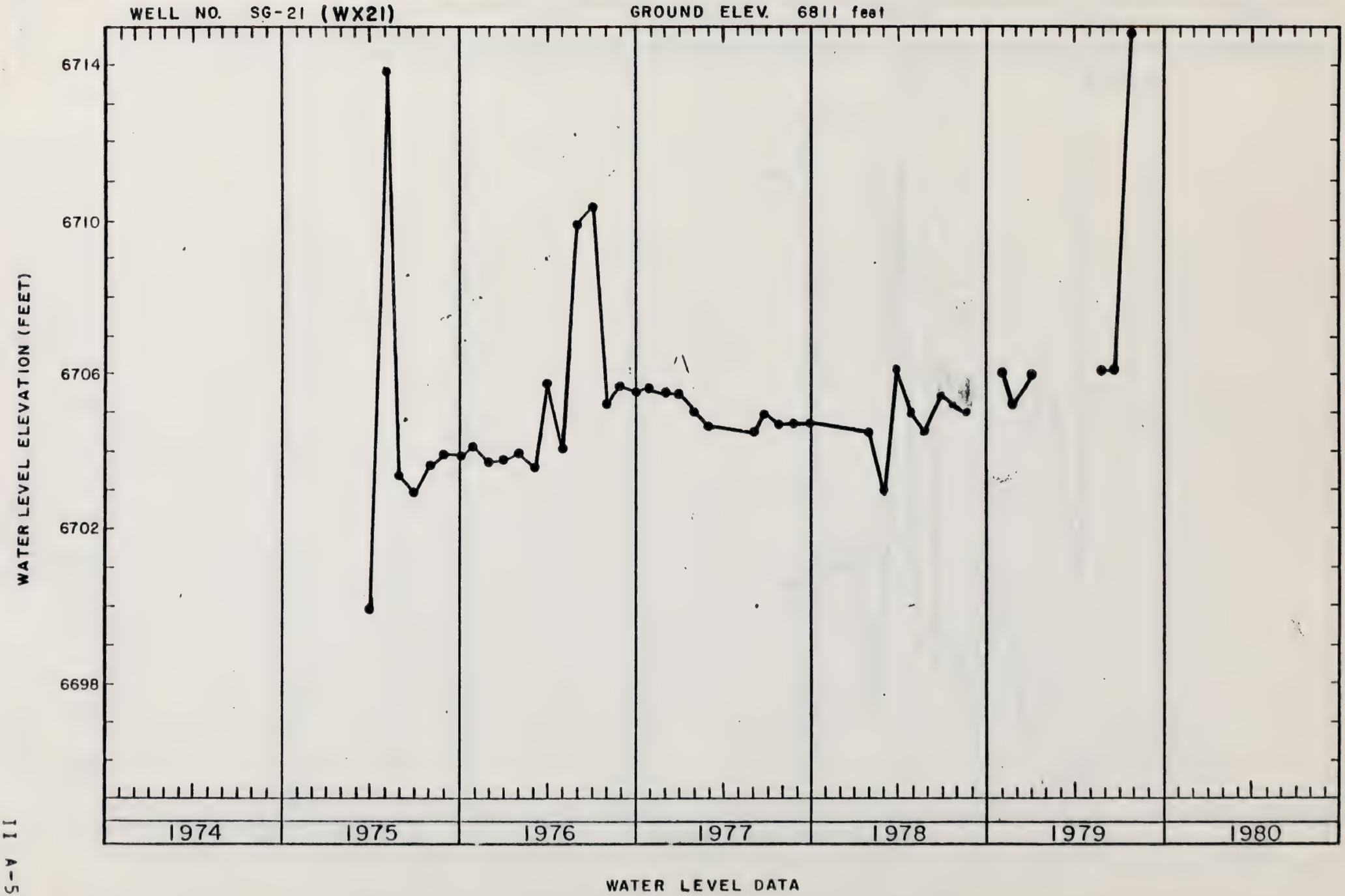


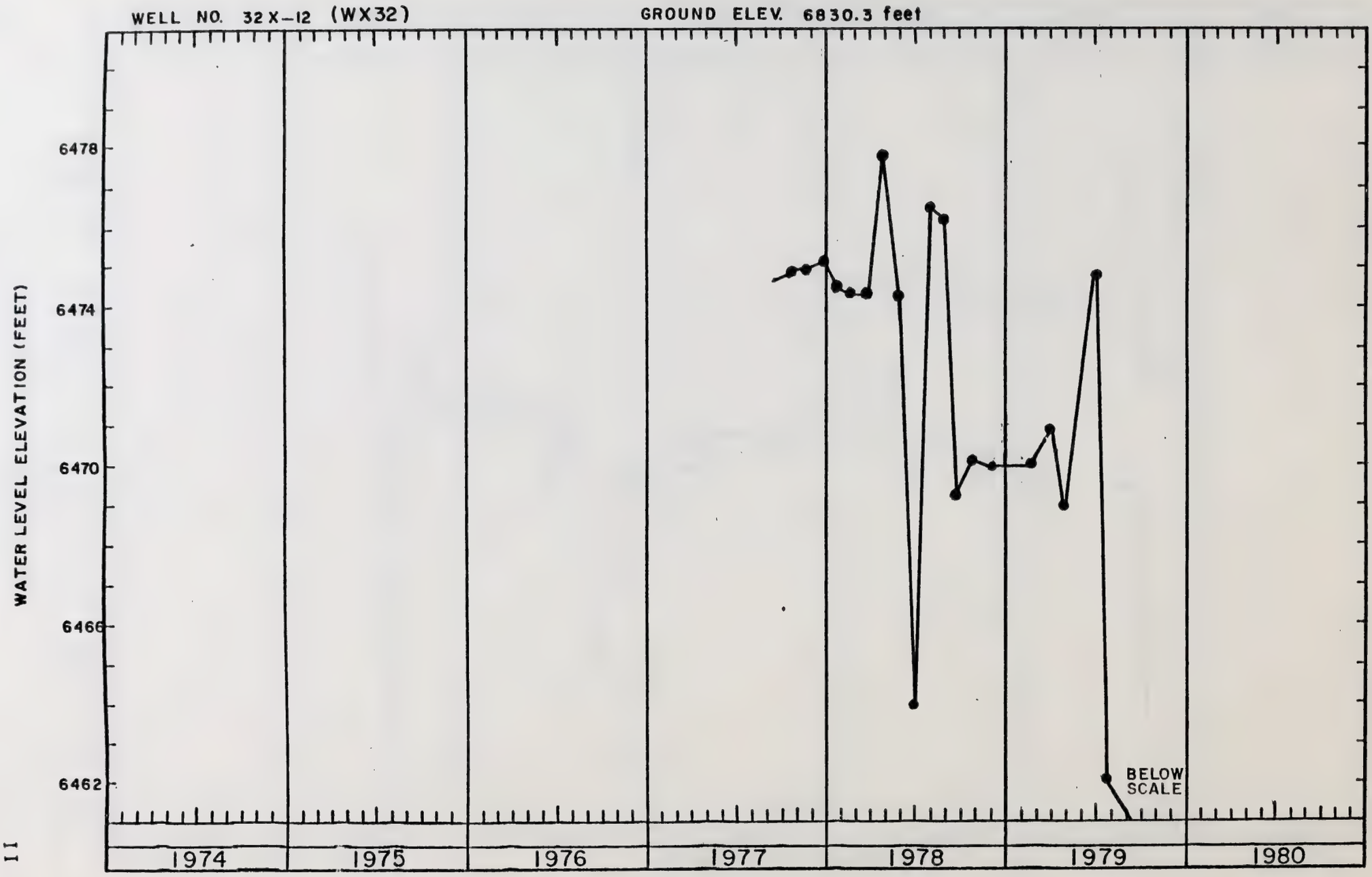
WATER LEVEL DATA



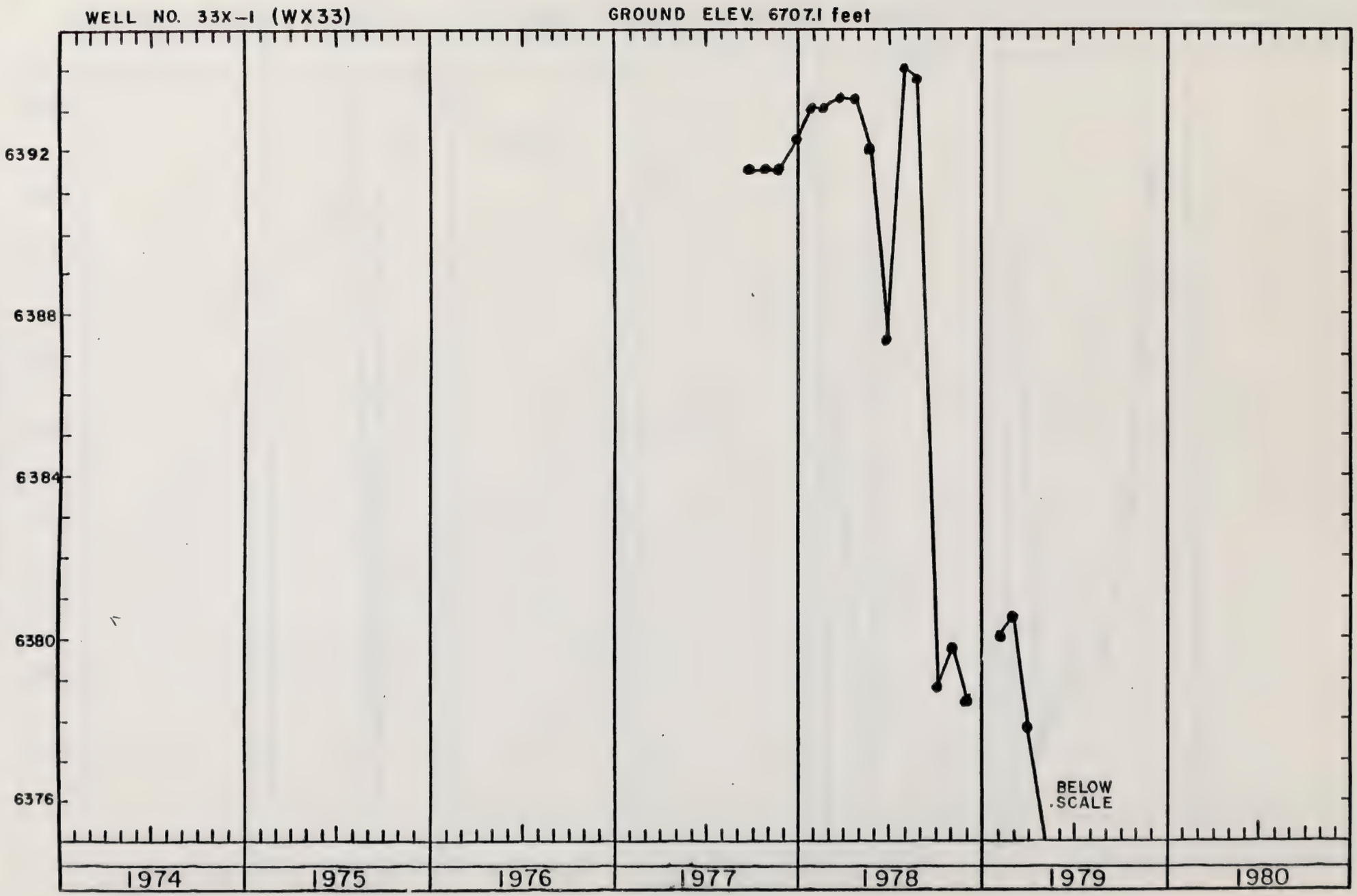
WATER LEVEL DATA


WELL NO. SG-20 WX 20
GROUND ELEV. 6358
WATER LEVEL ELEVATION (FEET)
6355
6350
6345
6340
FLOWING
1974
1975
1976
1977
1978
1979
1980
WATER LEVEL DATA


WELL NO. SG-21 (WX21)
GROUND ELEV. 6811 feet
WATER LEVEL ELEVATION (FEET)
6714
6710
6706
6702
6698
1974
1975
1976
1977
1978
1979
1980
WATER LEVEL DATA



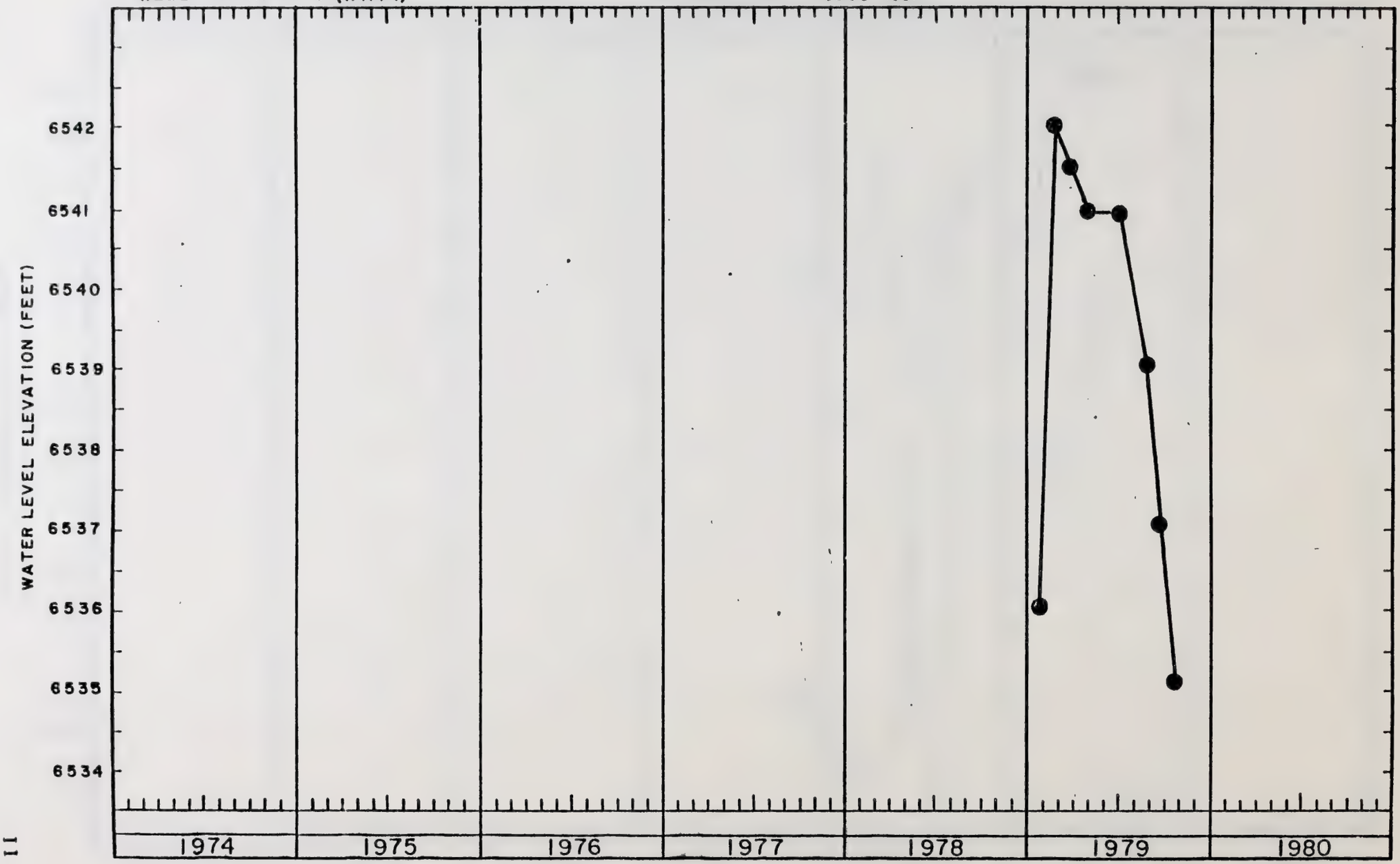
WATER LEVEL DATA



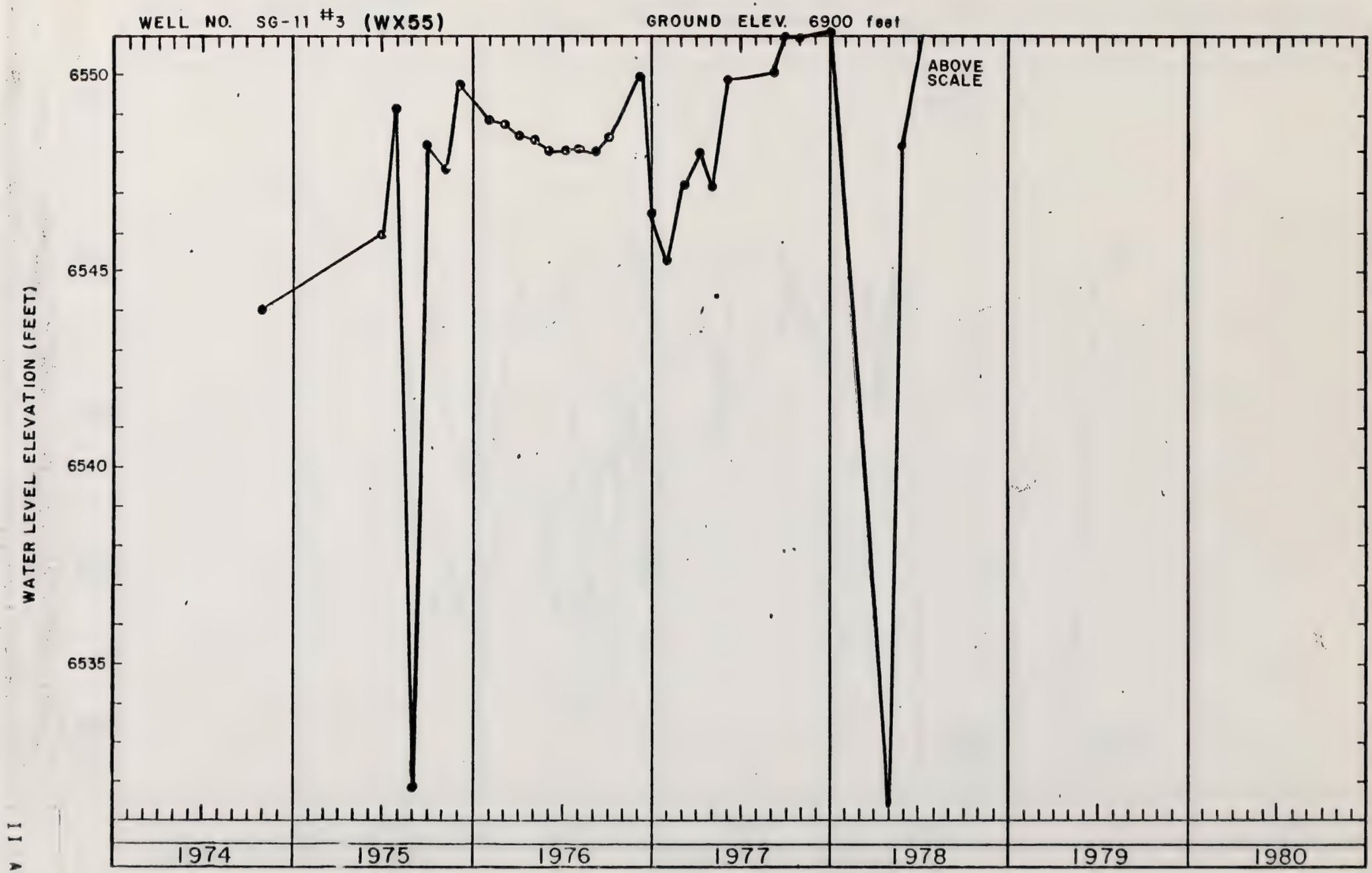
WATER LEVEL DATA

WELL NO. AT-IC-3 (WX44)

GROUND ELEV. 6905 feet

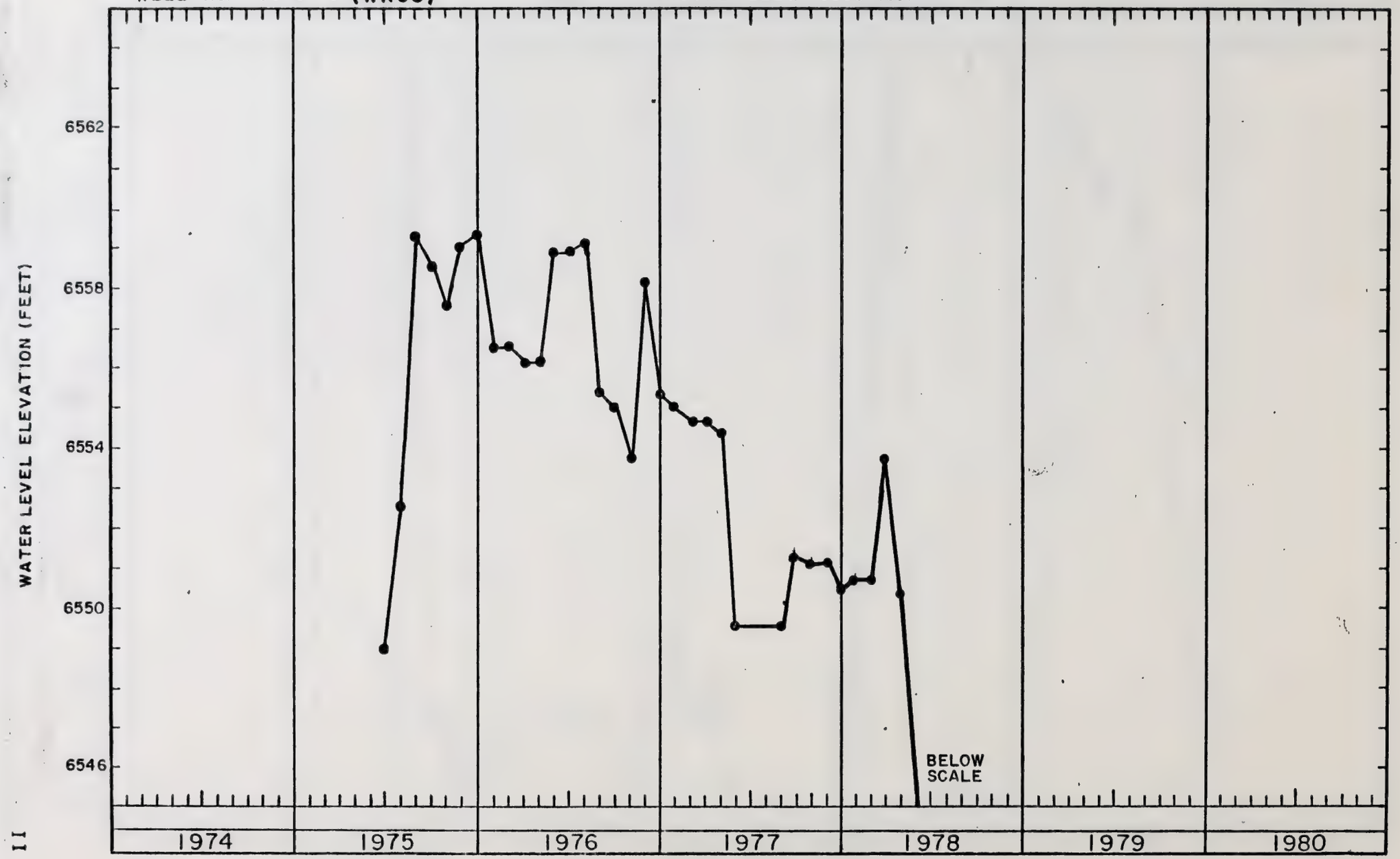


WATER LEVEL DATA

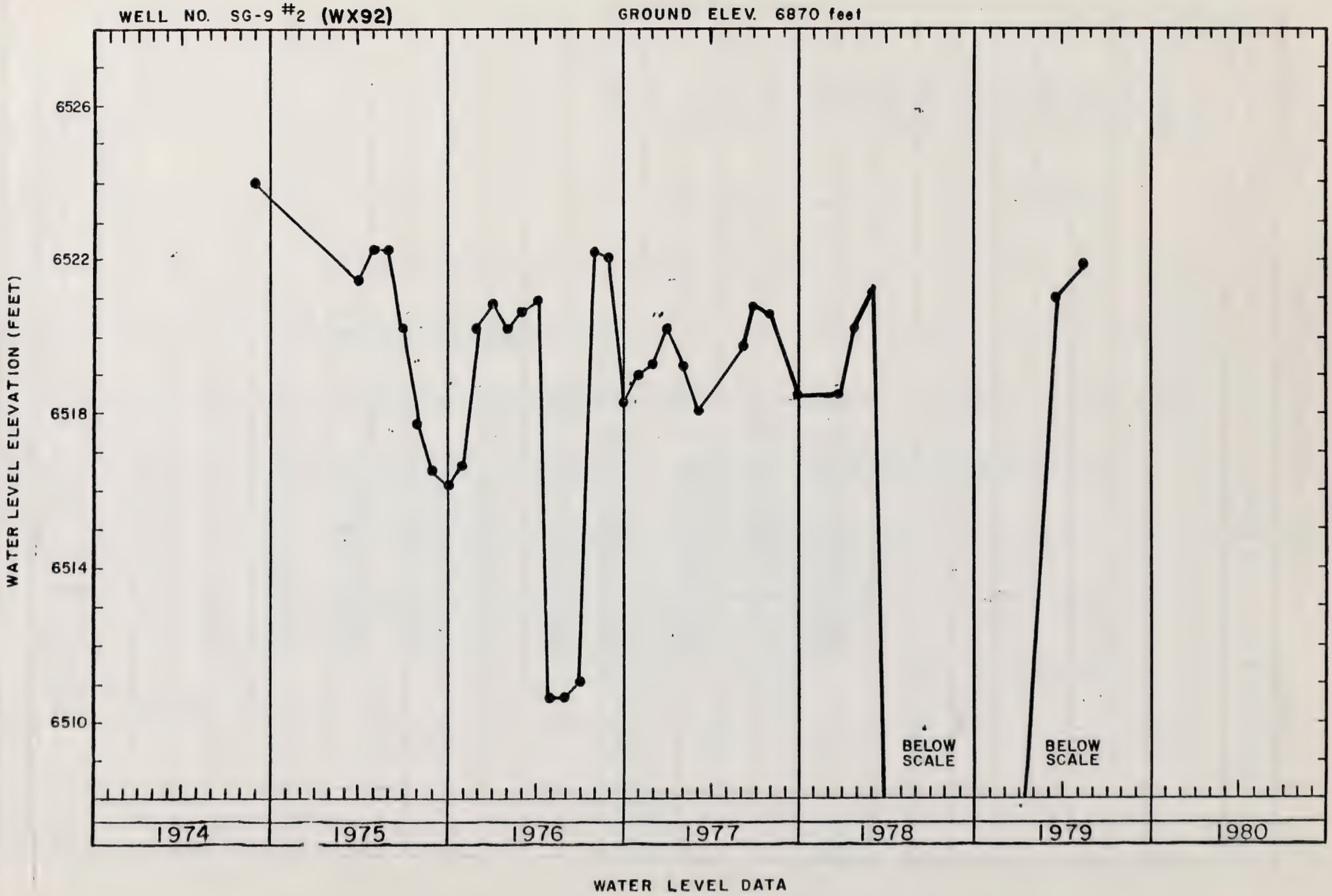


WATER LEVEL DATA

WELL NO. SG-6 #3 (WX63) GROUND ELEV. 6888 feet



WATER LEVEL DATA


WELL NO. SG-9 #2 (WX92)
GROUND ELEV. 6870 feet
WATER LEVEL ELEVATION (FEET)
6526
6522
6518
6514
6510
BELOW SCALE
BELOW SCALE
1974
1975
1976
1977
1978
1979
1980
WATER LEVEL DATA

Tabel II A-14

STEVEN'S RECORDER MAXIMUM WELL DEPTHS

STATION: WX12 (DISTANCE FROM SURFACE IN FEET) YEAR: 1979

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1											70.60	72.03
2											70.72	72.03
3											70.73	72.03
4											70.87	
5											71.09	
6											71.12	
7											71.12	
8											71.12	
9											71.20	
10											71.30	
11											71.49	
12											71.59	
13											71.80	
14											71.86	
15											72.02	
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28											72.02	
29										70.40	72.03	
30										70.57	72.03	
31										70.56		
AVG.												

Table II A-15

CB-TRACT
WATER LEVELS IN LOWER AQUIFER WELLS
FOR SAMPLE DATE SHOWN

WELL ID - MEASURING POINT ELEVATION (FT)

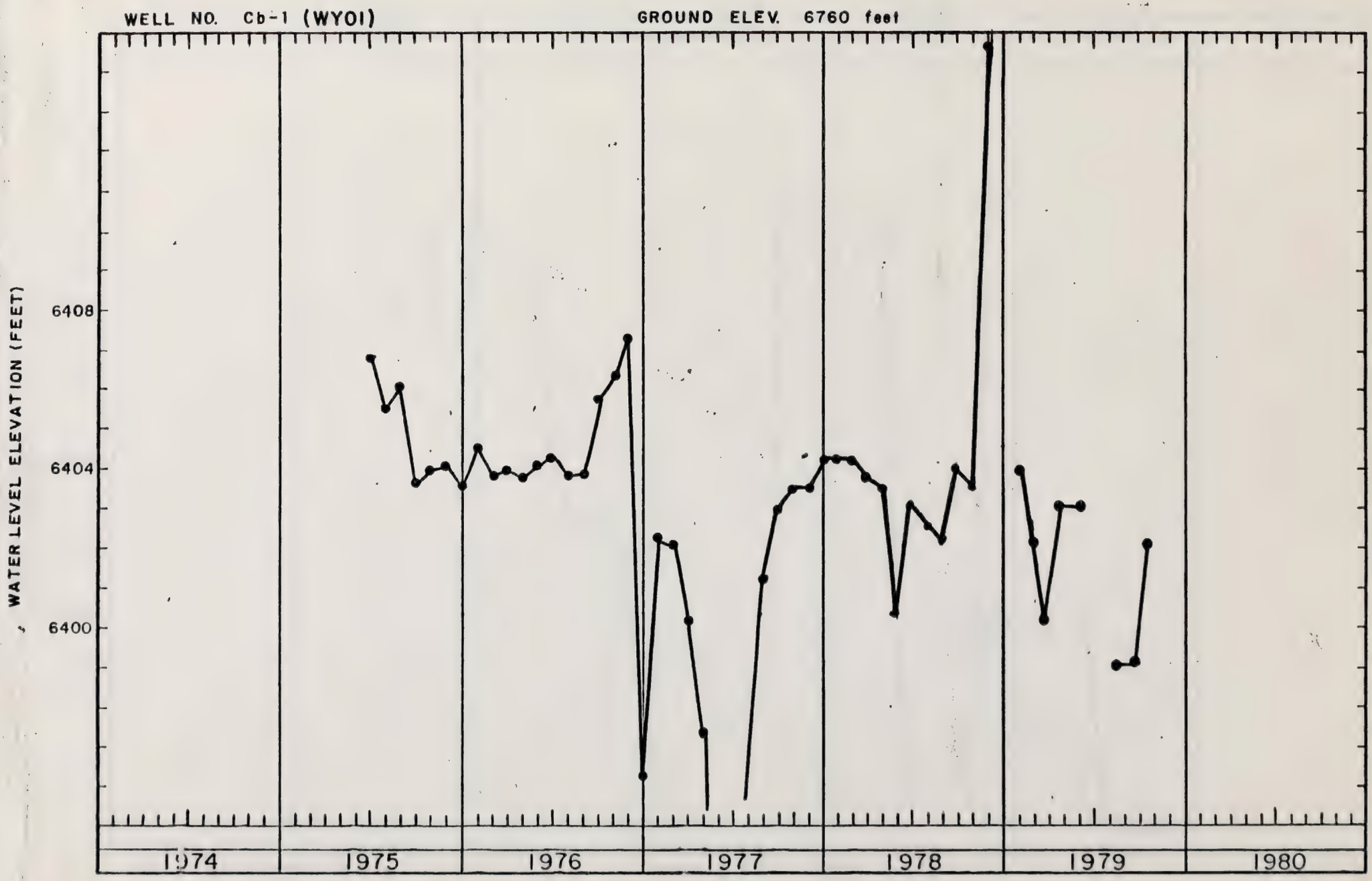
YR	MO	WY01 DEPTH (FT)	WY10 DEPTH (FT)	WY12 DEPTH (FT)	WY17 DEPTH (FT)	WY45 DEPTH (FT)	WY46 DEPTH (FT)	WY52 DEPTH (FT)	WY54 DEPTH (FT)	WY61 DEPTH (FT)	WY62 DEPTH (FT)	WY81 DEPTH (FT)	WY91 DEPTH (FT)
		6763	6952	6428	7038	6906	6906	6903	6903	6890	6890	6540	6873
79	1	6404	PLUGGD	6353	6647	6512	6518	6521	6546	6547	6489	FLWING	6520
	2	6402	6537	6353	6648	6514	6513	6521	6545	6548	6529	FLWING	6523
	3	6400	6536	6353		6513	6514	6523	6547	6551	6491	FLWING	6523
	4	6403	PLUGGD	6353	6650	6514	6513	6515	6543	6548	6528	FLWING	6523
	6	6403	6579	6348	6650	6514	6514	6522	6544	6498	6499		6499
	7	NS										FLWING	
	8	6399	6579	6353	6638	PLUGGD	6513	6522	6543	6549	6499	FLWING	6496
	9	6399	6576	6353	6651	6512	6512	6522	6544	6547	6498		6522
	10	6402	6572	6354	6651	6510	6511	6523	6543	6545	6506	FLWING	6523

PLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING

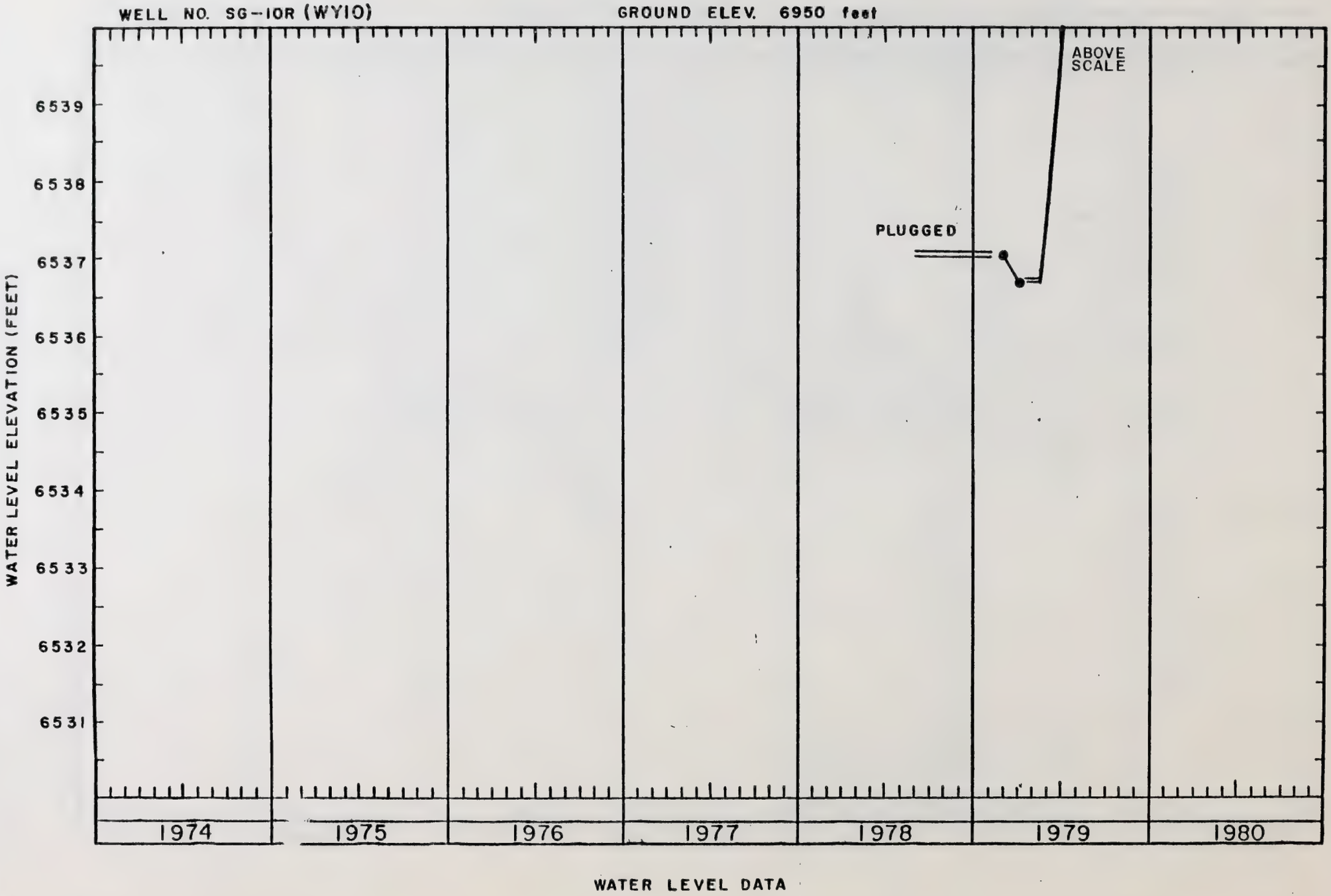
Table II A-16

HAND PLOTS OF WATER LEVELS IN LOWER AQUIFER WELLS

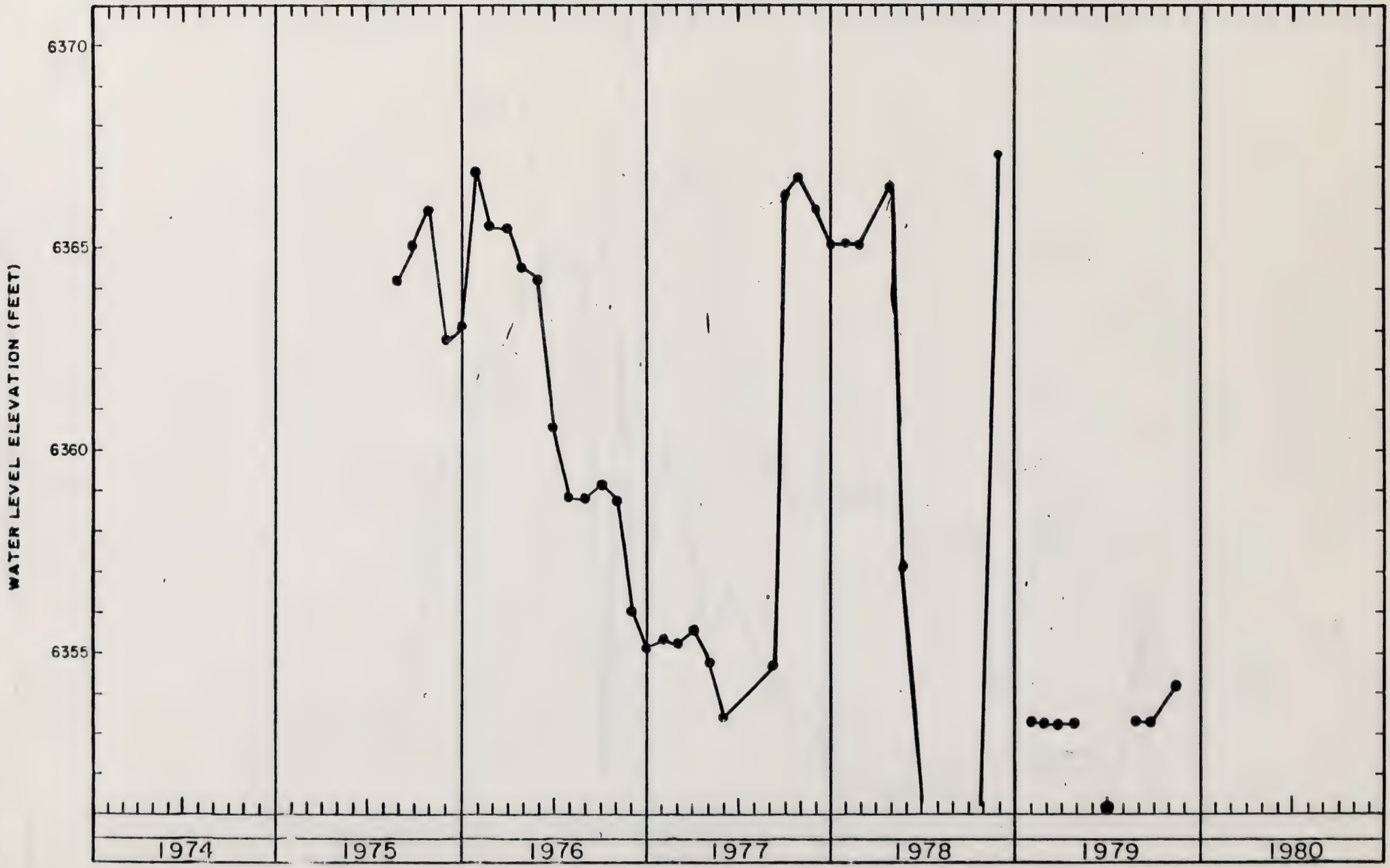
Well No.	Computer Code	Page No.
Cb-1	WY01	II A-521
SG-10R	WY10	II A-522
SG-1-1	WY12	II A-523
SG-17-1R	WY17	II A-524
AT-1C-1	WY45	II A-525
AT-1C-2	WY46	II A-526
SG-11-1R	WY52	II A-527
SG-11-2	WY54	II A-528
SG-6-1	WY61	II A-529
SG-6-2	WY62	II A-530
SG-8R	WY81	II A-531
SG-9-1	WY91	II A-532



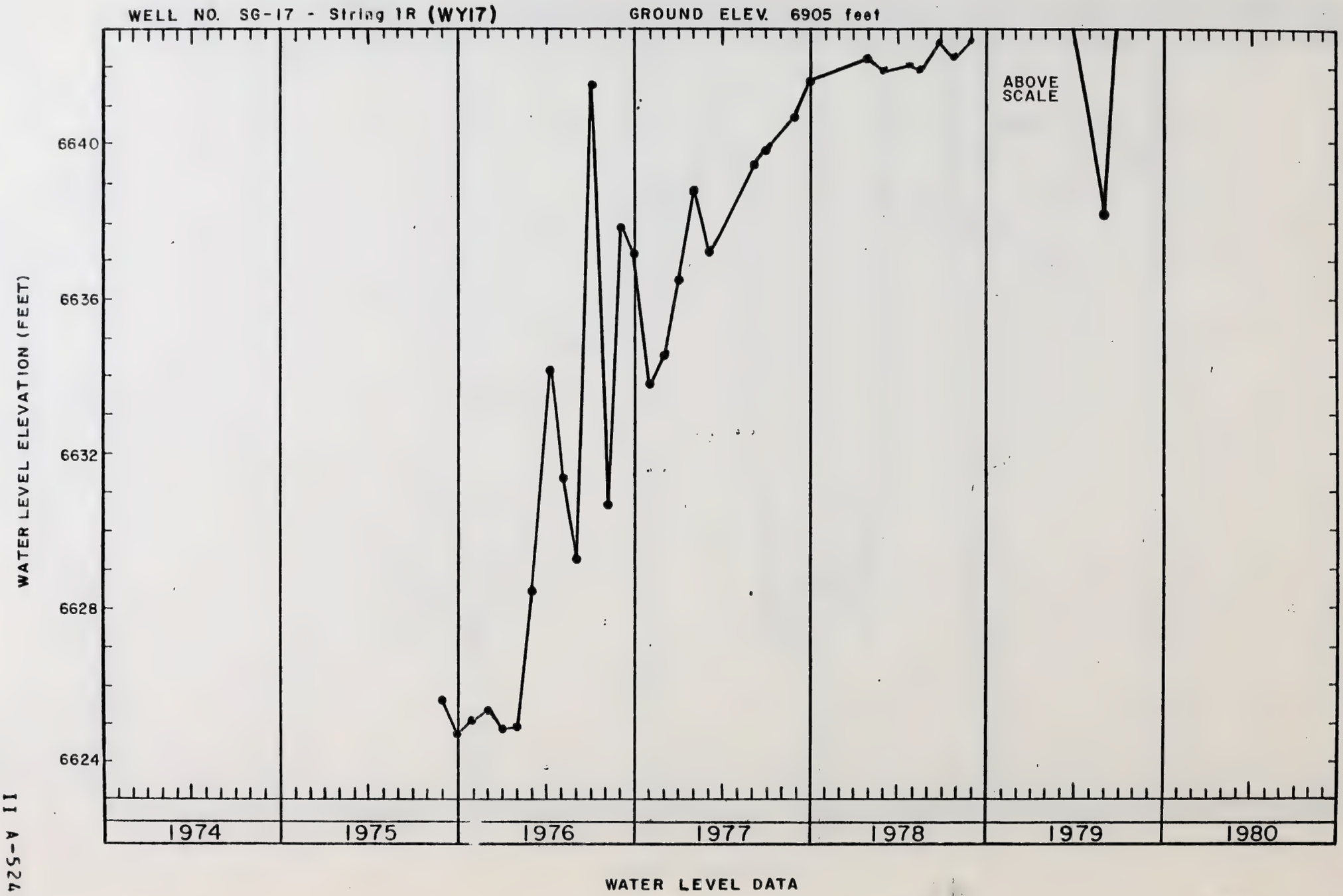
WATER LEVEL DATA

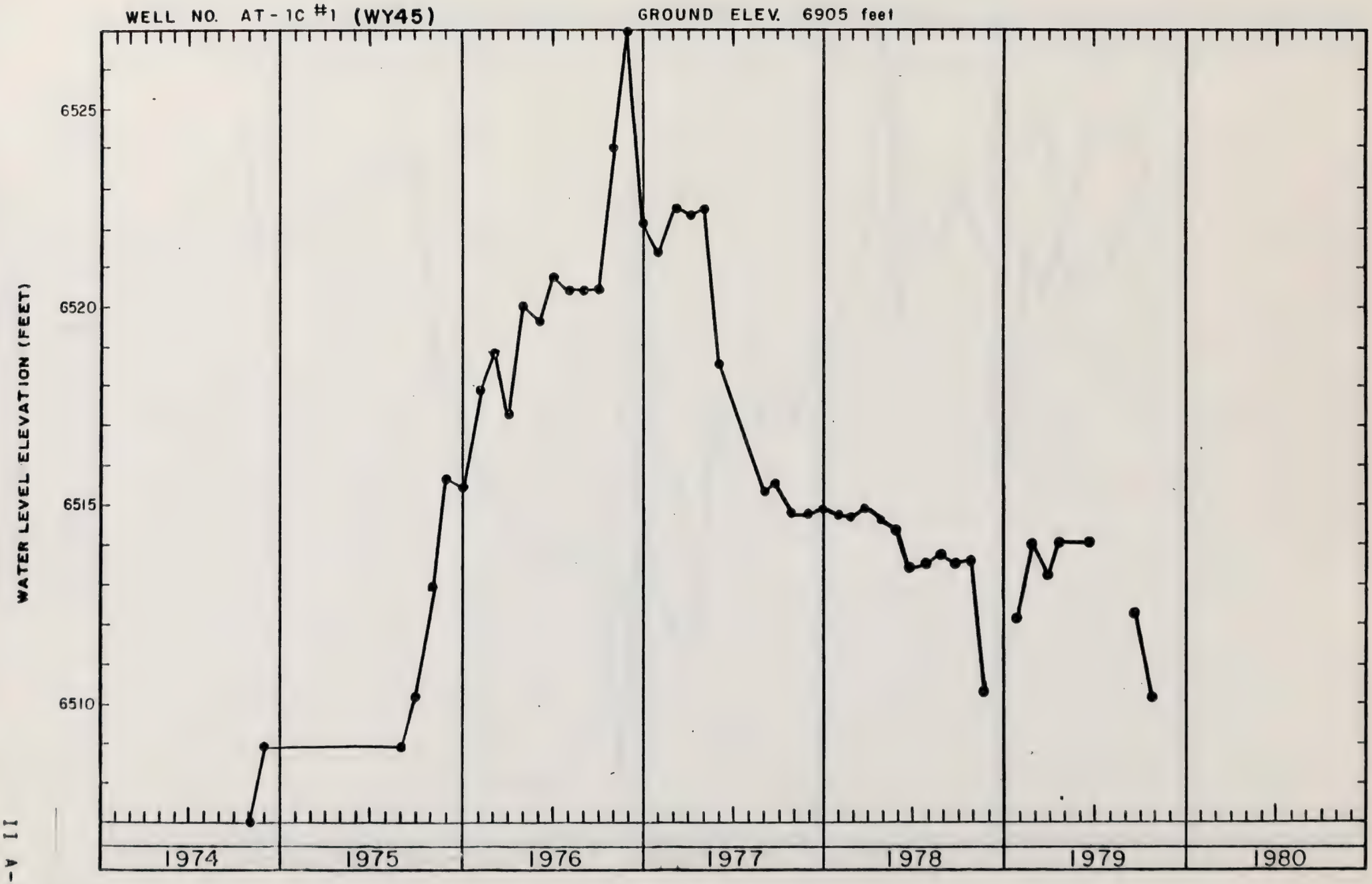

WELL NO. SG-10R (WY10)
GROUND ELEV. 6950 feet
ABOVE SCALE
PLUGGED
6539
6538
6537
6536
6535
6534
6533
6532
6531
WATER LEVEL ELEVATION (FEET)
1974
1975
1976
1977
1978
1979
1980
WATER LEVEL DATA

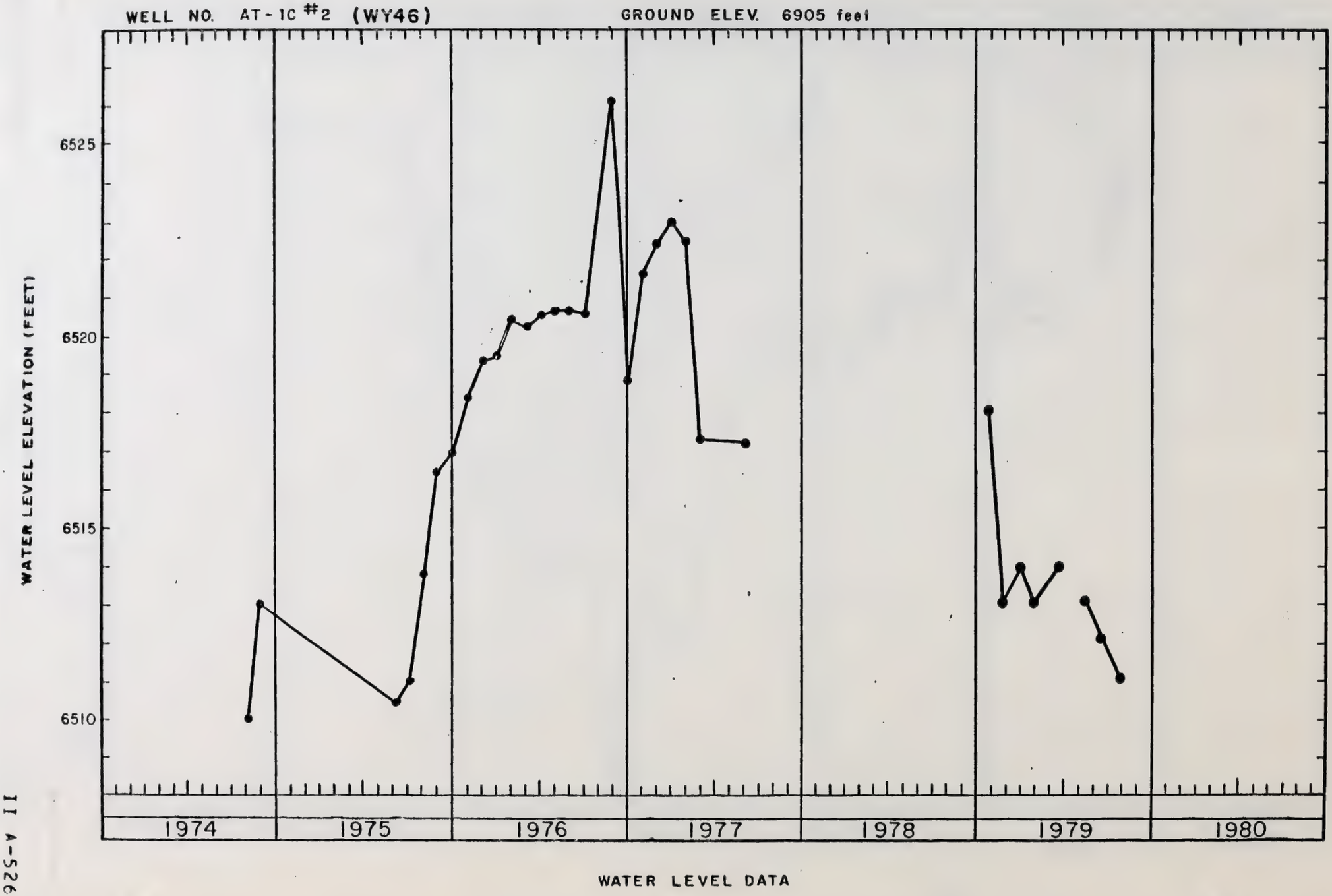
WELL NO. SG-1 #1 (WY12) GROUND ELEV. 6428 feet

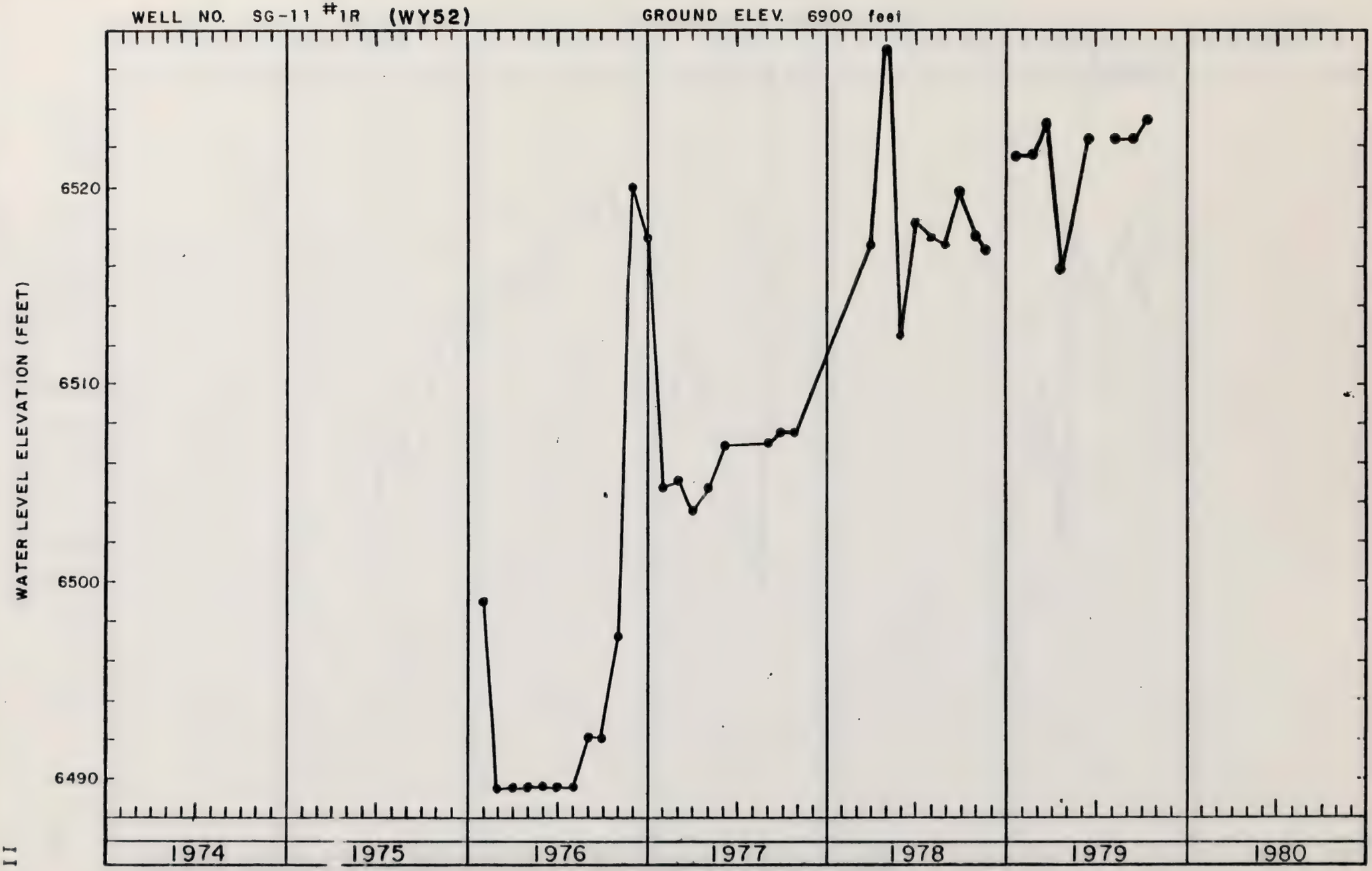


WATER LEVEL DATA


WELL NO. SG-17 - String 1R (WY17)
GROUND ELEV. 6905 feet
ABOVE SCALE
6640
6636
6632
6628
6624
WATER LEVEL ELEVATION (FEET)
1974
1975
1976
1977
1978
1979
1980
WATER LEVEL DATA

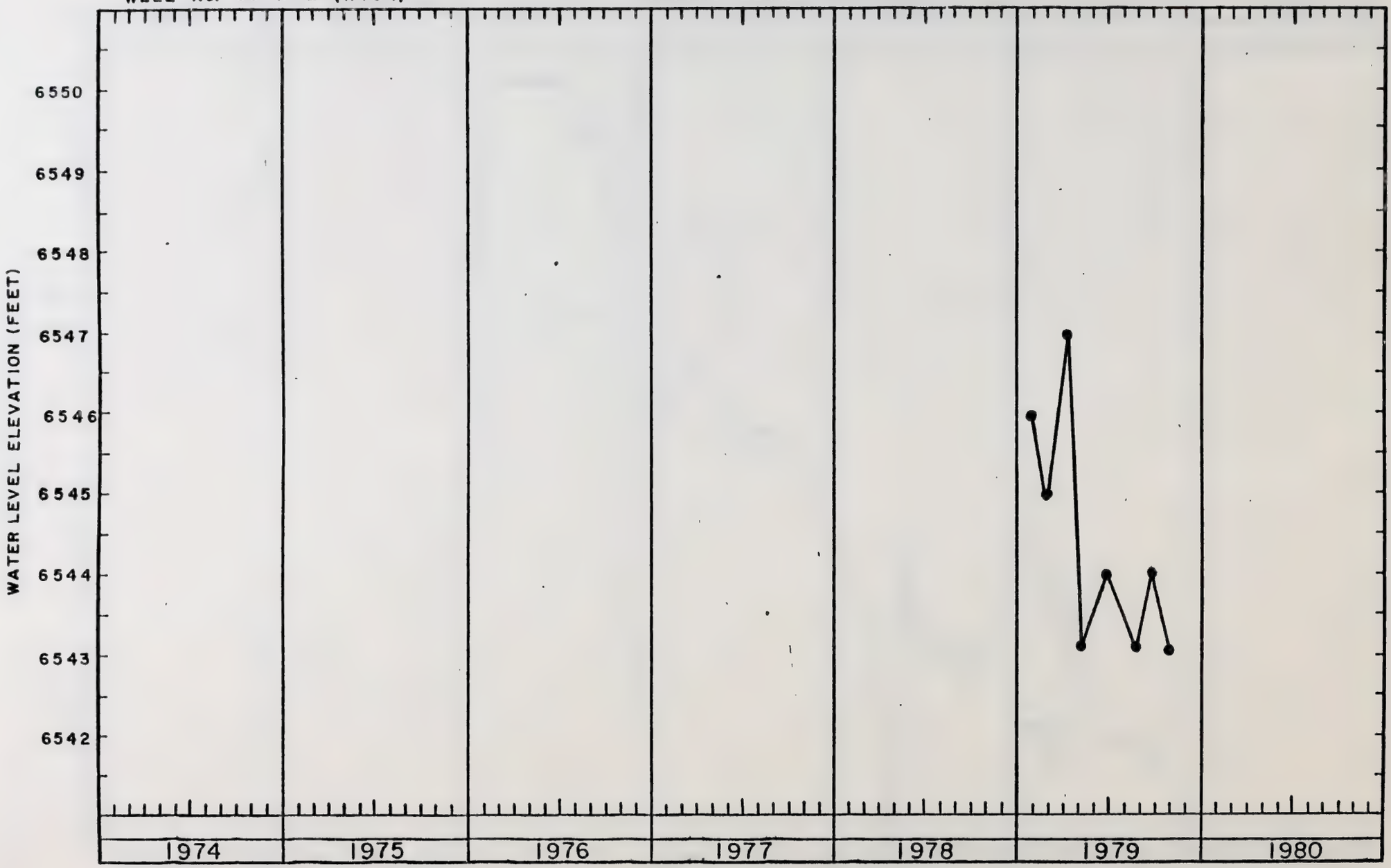

WELL NO. AT-1C #1 (WY45)
GROUND ELEV. 6905 feet
WATER LEVEL ELEVATION (FEET)
6525
6520
6515
6510
1974
1975
1976
1977
1978
1979
1980
WATER LEVEL DATA


WELL NO. AT-1C #2 (WY46)
GROUND ELEV. 6905 feet
WATER LEVEL ELEVATION (FEET)
6525
6520
6515
6510
1974
1975
1976
1977
1978
1979
1980
WATER LEVEL DATA

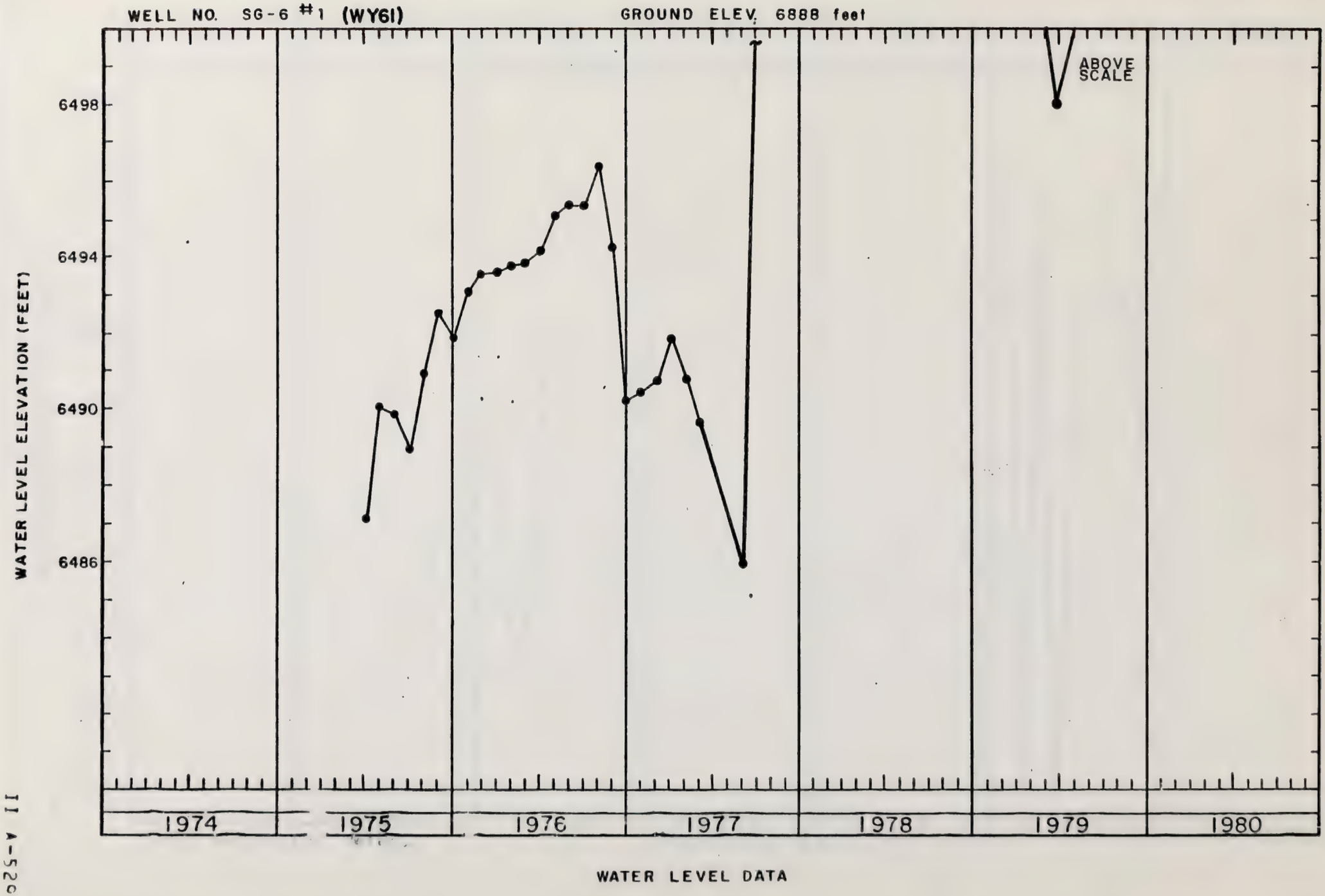

WELL NO. SG-11 #1R (WY52)
GROUND ELEV. 6900 feet
WATER LEVEL ELEVATION (FEET)
6520
6510
6500
6490
1974
1975
1976
1977
1978
1979
1980
WATER LEVEL DATA

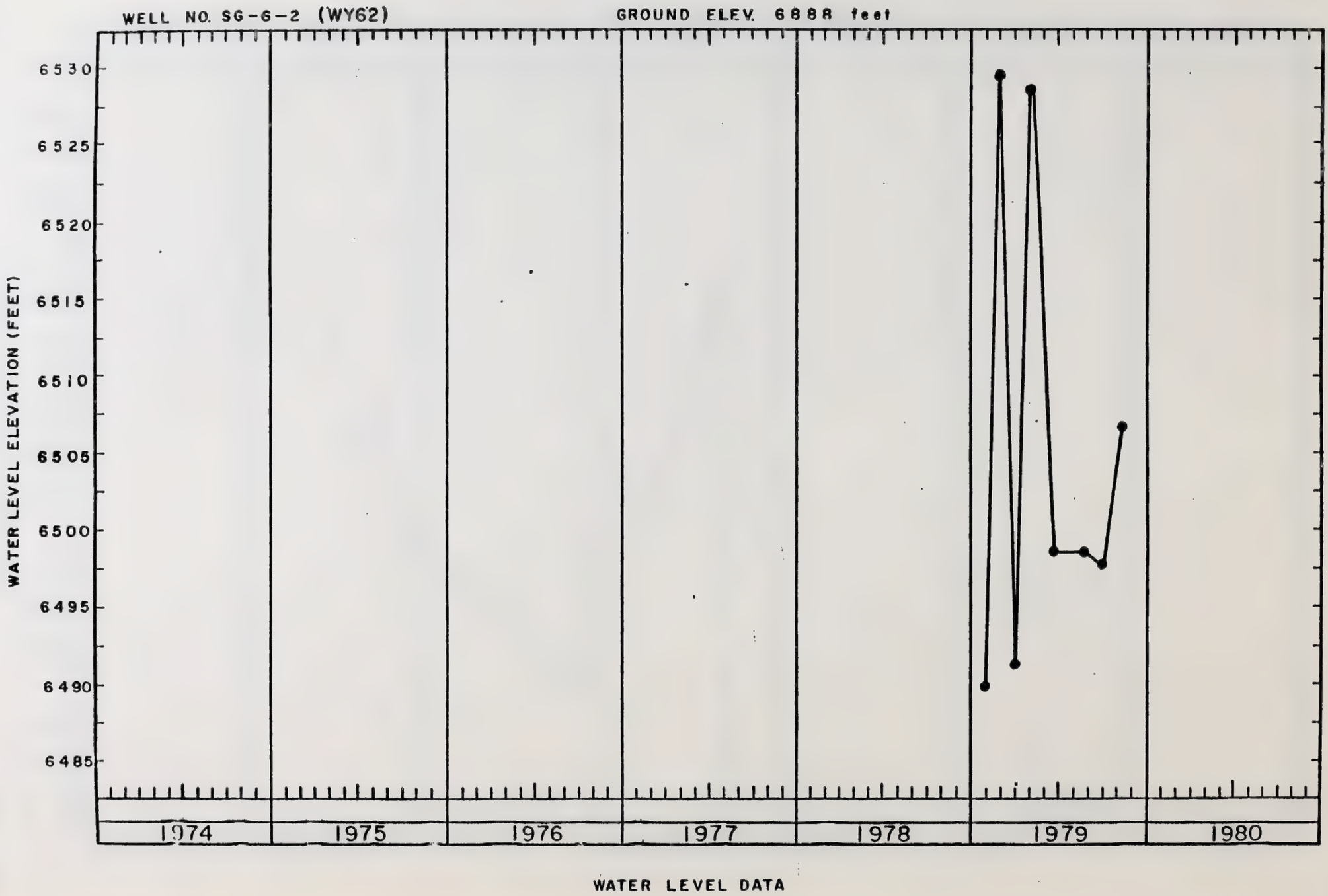
WELL NO. SG-11-2 (WY54)

GROUND ELEV. 6900 feet

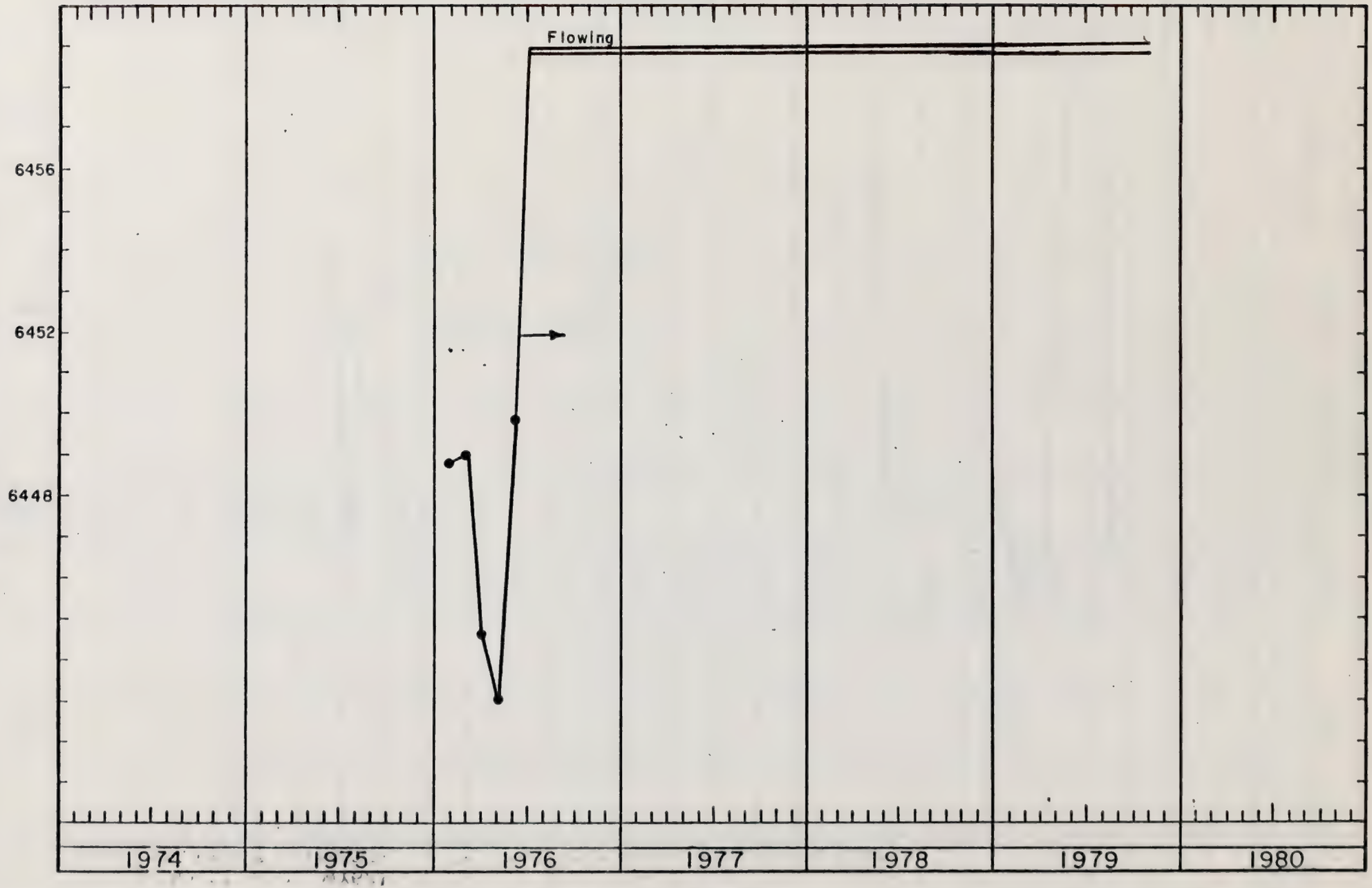


WATER LEVEL DATA


WELL NO. SG-6 #1 (WY61)
GROUND ELEV. 6888 feet
ABOVE SCALE
6498
6494
6490
6486
WATER LEVEL ELEVATION (FEET)
1974
1975
1976
1977
1978
1979
1980
WATER LEVEL DATA


WELL NO. SG-6-2 (WY62)
GROUND ELEV. 6888 feet
WATER LEVEL ELEVATION (FEET)
6530
6525
6520
6515
6510
6505
6500
6495
6490
6485
1974
1975
1976
1977
1978
1979
1980
WATER LEVEL DATA

WELL NO. SG-8R (WY81) GROUND ELEV. 6538 feet



WATER LEVEL DATA

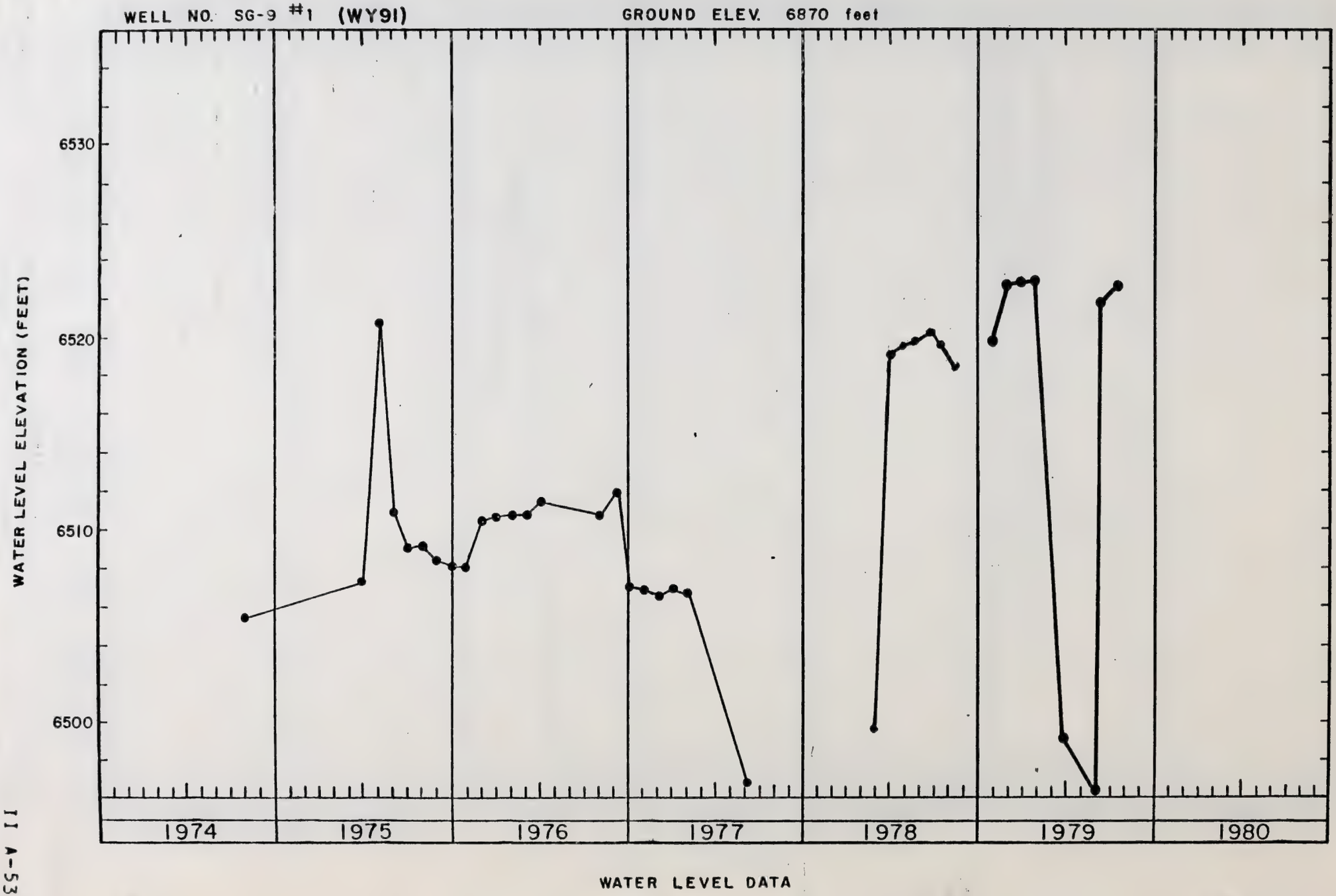

WELL NO. SG-9 #1 (WY91)
GROUND ELEV. 6870 feet
WATER LEVEL ELEVATION (FEET)
6530
6520
6510
6500
1974
1975
1976
1977
1978
1979
1980
WATER LEVEL DATA

Table II A-17

STEVEN'S RECORDER MAXIMUM WELL DEPTHS

STATION: WY01 (DISTANCE FROM SURFACE IN FEET) YEAR: 1979

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1								362.7				
2								362.7				
3								362.7				
4								362.7				
5								362.7				
6								362.7				
7								362.7				
8								362.7				
9								362.7				
10								362.7				
11								362.7				
12								362.7				
13								362.7				
14								362.7				
15								362.7				
16								362.7				
17								362.7				
18								362.7				
19							362.1	362.7				
20							362.1	362.7				
21							362.1	362.7				
22							362.1					
23							362.1					
24							362.1					
25							362.1					
26							362.1					
27							362.7					
28							362.7					
29							362.7					
30							362.7					
31							362.7					
AVG.												

Table II A-18

CB-TRACT
WATER LEVELS IN UPPER AQUIFER WELLS
REQUIRED BY WATER AUGMENTATION PLAN
FOR SAMPLE DATE SHOWN

		WELL ID - MEASURING POINT ELEVATION (FT)							
		WX64	WX65	WX67	WX69	WX71	WX72	WX73	WX75
		7178	6390	6740	7350	6580	6805	8142	7583
YR	MO	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)
79	8	6757	6332	6310	6886	INACCS	6760		
	9							7641	7510
	10	6758	6331	6309	6897	INACCS	6759	7647	7512

PLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING
INACCS = WELL INACCESSABLE

Table II A-19

CB-TRACT
WATER LEVELS IN LOWER AQUIFER WELLS
REQUIRED BY WATER AUGMENTATION PLAN
FOR SAMPLE DATE SHOWN

WELL ID - MEASURING POINT ELEVATION (FT)

		WY64	WY65	WY66	WY67	WY68	WY69	WY70	WY71	WY72	WY75	WY76	WY77	WY78	WY79
		7178	6390	6286	6740	6840	7350	7070	6580	6805	6820	6865	7777	7145	7020
YR	MO	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)
79	8	6423	6313	FLWING	6235	6511	7038	INACCS	INACCS	6773			FLWING	7073	INACCS
	9										6769	FLWING			
	10	6444	6313	FLWING	6235	6510	6886	INACCS		6773	6770	FLWING	FLWING	7075	INACCS

FLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING
INACCS = WELL INACCESSABLE

Table II A-20

CB-TRACT
WATER LEVELS IN COMPOSITE WELLS
REQUIRED BY WATER AUGMENTATION PLAN
FOR SAMPLE DATE SHOWN

		WELL ID - MEASURING POINT ELEVATION (FT)				
		WV01	WV02	WV03	WV04	WV05
		6411	6490	6729		7420
YR	MO	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)
79	8		FLWING	FLWING		
	9	6285			FLWING	7354
	10	6286	FLWING	FLWING	FLWING	7354

PLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING
INACCS = WELL INACCESSABLE

SUPPLEMENTAL WATER DATA

GROUND WATER QUALITY

WATER QUALITY DATA FOR GROUND WATER

A - Alluvial Wells

B - Upper Aquifer Wells

C - Lower Aquifer Wells

Water quality data collected during the period of this report are reported in Tables II A-21 through II A-23. Refer to Figures II A-8 and II A-9 for maps of the Alluvial Well and Deep Well monitoring networks, respectively.

Table/Figure No.	Description	Page No.
Table II A-21	Water Quality Parameters - Alluvial Wells	II A-538
Table II A-22	Water Quality Parameters - Upper Aquifer	II A-541
Table II A-23	Water Quality Parameters - Lower Aquifer	II A-544

An attempt has been made to refer to all wells in terms of their four-digit computer station codes. For additional information on these codes, refer to Section IV.

Table II A-21

CB-TRACT
WATER QUALITY PARAMETERS
ALLUVIAL WELLS
FOR SAMPLE DATA SHOWN

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	NH3 (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L)	CO3 (MG/L CACO3)	BOD (MG/L)	B (MG/L)	BR (MG/L)	CD (MG/L)	CA (MG/L)	COD (MG/L)	CL (MG/L)	CR (MG/L)	CU (MG/L)
WA01	79	3	360.0	-.100	.020	-.020	-.50	360.0	-1.0	7.0	.20	.700	-.020	70.0	10.0	30.0	-.020	-.020
		7	500.0	-.100	.100	-.020	.80	430.0	70.0	6.8	.30	.000	-.020	76.0	10.0	22.0	-.020	-.020
WA02	79	7	430.0	-.100	-.040	-.020	-.50	360.0	60.0		.10	.000	-.020	54.0	2.1	9.3	-.020	-.020
WA03	79	3	510.0	-.100	.220	-.020	-.50	510.0	-1.0	7.0	.10	.600	-.020	110.0	20.0	23.0	-.020	-.020
		7	450.0	-.100	-.040	-.020	-.50	380.0	70.0	6.8	.10	.000	-.020	110.0	10.0	14.0	-.020	-.020
WA06	79	3	580.0	-.100	.050	-.020	-.50	580.0	-1.0	7.0	.10	.500	-.020	70.0	8.0	26.0	-.020	-.020
		7	520.0	-.100	-.040	-.020	-.50	460.0	60.0		.20	.000	-.020	67.0	6.2	18.0	-.020	-.020
WA07	79	7	310.0	-.100	.080	-.020	-.50	250.0	60.0	4.7	.04	.000	-.020	60.0	8.6	14.0	-.020	-.020
WA09	79	3	360.0	-.100	.220	-.020	-.50	360.0	-1.0	50.0	.03	.090	-.020	90.0	20.0	18.0	-.020	-.020
WA11	79	3	420.0	-.100	.050	-.020	-.50	420.0	-1.0	.9	.03	.800	-.020	76.0	8.0	26.0	-.020	-.020
WA12	79	3	470.0	-.100	.040	-.020	-.50	470.0	-1.0	1.0	.03	1.000	-.020	100.0	10.0	16.0	-.020	-.020

NOTE: - INDICATES LESS THEN

Table II A-21

CB-TRACT
WATER QUALITY PARAMETERS
ALLUVIAL WELLS
FOR SAMPLE DATA SHOWN

WELL	YR	MO	FECAL COLIF. COLONY /100ML	TOTAL COLIF. 100ML	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	TOTAL ALPHA PCI/L	TOTAL BETA PCI/L	RADIUM 226 PCI/L	ZN (MG/L)	F (MG/L)	HARDNESS (MG/L CACO3)	FE (MG/L)	NI (MG/L)
WA01	79	3	-1.0	-1.0	4.0	-.02000	-.020	-.010	20.0	38.0	1.1	.060	.90	490.0	-.50	-.020
		7						.007					.90	460.0	-.50	-.020
WA02	79	7						.010					1.50	390.0	-.50	-.020
WA03	79	3	-1.0	-1.0	4.0	-.02000	-.020	-.010	9.0	.0	.0	-.020	.48	580.0	-.50	-.020
		7						.010					.40	540.0	-.50	-.020
WA06	79	3	-1.0	-1.0	4.0	-.02000	-.020	-.010	21.0	4.0	.0	-.020	.53	460.0	-.50	-.020
		7						.010					.40	460.0	-.50	-.020
WA07	79	7			1.9			.004					.20	320.0	-.50	-.020
WA09	79	3	-1.0	-1.0	5.0	-.02000	-.020	-.010	8.1	5.0	.0	.100	.21	600.0	-.50	-.020
WA11	79	3	-1.0	-1.0	4.0	-.02000	-.020	-.010				-.020	.21	480.0	-.50	-.020
WA12	79	3	-1.0	-1.0	2.0	-.02000	-.020	-.010	1.9	26.0	.0	-.020	.22	640.0	-.50	-.020

NOTE: - INDICATES LESS THEN

Table II A-21

CB-TRACT
WATER QUALITY PARAMETERS
ALLUVIAL WELLS
FOR SAMPLE DATA SHOWN

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	COD (MG/L)	PHEN (MG/L)	K (MG/L)	NA (MG/L)	SOLUBLE SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	MG (MG/L)
WA01	79	3	.020	.40	20.0	10.0	-.0010	2.0	250.0	1200.0	5.0	420.0	-.020	-.02	.300	80.0
		7	-.020	-.10	28.0	10.0	.0020	2.1	280.0	1300.0	4.2	440.0	-.020	-.02	.300	65.0
WA02	79	7	-.020	26.00	13.0	2.1	.0100	1.4	160.0	830.0	9.9	260.0	-.020	-.02	.200	59.0
WA03	79	3	-.020	2.00	20.0	20.0	.0010	1.0	130.0	920.0	6.0	350.0	-.020	-.02	-.020	60.0
		7	-.020	-.10	63.0	10.0	.0500	1.7	140.0	980.0	5.4	350.0	-.020	-.02	.020	60.0
WA06	79	3	.020	1.00	9.0	8.0	.0070	2.0	180.0	1000.0	5.0	300.0	-.020	-.02	.100	70.0
		7	-.020	-.10	6.6	6.2	.0500	1.8	170.0	930.0	3.6	280.0	-.020	-.02	.100	53.0
WA07	79	7	-.020	-.10	15.0	8.6	.0300	1.2	130.0	710.0	4.2	250.0	.050	.02	-.020	40.0
WA09	79	3	-.020	2.00	10.0	20.0	.0040	3.0	150.0	1000.0	6.0	450.0	-.020	-.02	-.020	90.0
WA11	79	3	-.020	4.00	3.0	8.0	.0010	.9	110.0	820.0	5.0	280.0	-.020	-.02	-.020	64.0
WA12	79	3	.020	3.00	4.0	10.0	-.0010	2.0	150.0	1200.0	6.0	440.0	-.020	-.02	-.020	90.0

NOTE: - INDICATES LESS THEN

CB-TRACT
WATER QUALITY PARAMETERS
UPPER AQUIFERS
FOR SAMPLE DATA SHOWN

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	NH3 (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L)	CO3 (MG/L CACO3)	BOD (MG/L)	B (MG/L)	BR (MG/L)	CD (MG/L)	CA (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WX02	79	5	500.0	-.100	.200	-.020	-.50	360.0	110.0	-1.0	.20	-.100	-.020	5.1	17.0	8.3	-.020	-.020
WX10	79	5	370.0	-.100	.200	-.020	-.50	340.0	30.0	8.3	.10	.200	-.020	51.0	25.0	8.3	-.020	-.020
WX12	79	5	780.0	-.100	1.000	-.020	-.50	740.0	50.0	9.0	.30	-.100	-.020	11.0	10.0	17.0	-.020	-.020
WX17	79	5	900.0	-.100	1.300	-.020	-.50	810.0	90.0	7.7	1.80	-.100	-.020	5.7	16.0	4.0	-.020	-.020
WX19	79	5	1500.0	-.100	1.500	-.020	1.70	1300.0	200.0	5.3	1.20	-.100	-.020	9.3	13.0	6.2	-.020	-.020
WX20	79	5	1500.0	-.100	1.300	-.020	2.00	1400.0	160.0	8.5	1.50	-.100	-.020	8.3	15.0	4.2	-.020	-.020
WX21	79	5	420.0	-.100	.500	-.020	-.50	360.0	60.0	2.6	.20	-.100	-.020	19.0	7.5	6.0	-.020	.020
WX44	79	5	390.0	-.100	.700	-.020	-.50	370.0	20.0	10.0	.40	-.100	-.020	54.0	31.0	6.0	-.020	-.020
WX55	79	5	470.0	-.100	.800	-.020	-.50	420.0	50.0	8.7	.60	-.100	-.020	30.0	32.0	4.2	-.020	.020
WX63	79	5	560.0	-.100	1.100	-.020	-.50	430.0	130.0	7.5	1.50	-.100	-.020	4.2	66.0	31.0	-.020	-.020
WX92	79	5	600.0	-.100	.400	-.020	-.50	600.0	-1.0	5.0	.20	-.100	-.020	88.0	28.0	22.0	-.020	-.020

NOTE: - INDICATES LESS THEN

CB-TRACT
WATER QUALITY PARAMETERS
UPPER AQUIFERS
FOR SAMPLE DATA SHOWN

WELL	YR	MO	CO (MG/L)	MG (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	TOTAL ALPHA PCI/L	TOTAL BETA PCI/L	RADIUM 226 PCI/L	ZN (MG/L)	F (MG/L)	HARDNESS (MG/L CACO3)	FE (MG/L)	PB (MG/L)
WX02	79	5		3.7	-1.0	-.02000	-.020	-.010	5.5	.0	.0	-.020	.80	65.0	-.01	-.050
WX10	79	5		41.0	-1.0	-.02000	-.020	-.010	2.9	3.0	.0	-.020	1.60	300.0	-.50	-.050
WX12	79	5		12.0	1.0	-.02000	-.020	-.010	.6	5.0	.0	-.020	16.00	140.0	-.50	-.050
WX17	79	5		3.1	3.0	-.02000	-.020	-.010	8.5	3.0	.0	-.020	19.00	60.0	-.50	-.050
WX19	79	5		3.2	-1.0	-.02000	-.020	-.010	.9	6.0	.0	-.050	23.00	50.0	-.50	-.050
WX20	79	5		3.0	-1.0	-.02000	-.020	-.010	2.1	7.0	.0	-.020	22.00	70.0	.06	-.050
WX21	79	5		21.0	1.0	-.02000	-.020	-.010	.6	6.0	.0	-.020	8.50	160.0	-.50	-.050
WX44	79	5		50.0	-1.0	-.02000	-.020	-.010	1.8	8.0	.0	-.020	7.60	420.0	-.50	-.050
WX55	79	5		89.0	1.0	-.02000	-.020	-.010	.5	1.0	.0	-.020	1.20	550.0	-.50	-.050
WX63	79	5		1.6	-1.0	-.02000	-.020	-.010	3.5	13.0	.0	-.020	17.00	40.0	.02	-.050
WX92	79	5		110.0	1.0	-.02000	-.020	-.010	4.4	2.0	.0	.020	.40	800.0	1.40	-.050

NOTE: - INDICATES LESS THEN

Table II A-22

CB-TRACT
WATER QUALITY PARAMETERS
UPPER AQUIFERS
FOR SAMPLE DATA SHOWN

WELL	YR	MO	MO (MG/L)	NI (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	TOC (MG/L)	PHEN (MG/L)	K (MG/L)	NA (MG/L)	SOLUBLE SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	LI (MG/L)	MN (MG/L)
WX02	79	5	.020	-.020	37.00	5.0	47.0	-.0010	.8	370.0		1.2	320.0	.04	-.020
WX10	79	5	-.020	-.020	32.00	17.0	42.0	-.0010	.5	190.0		6.6	330.0	.02	.080
WX12	79	5	.020	-.020	38.00	6.0	39.0	.0070	.7	420.0		3.8	18.0	.03	.060
WX17	79	5	-.020	-.020	160.00	8.0	38.0	-.0010	1.4	410.0		.7	-5.0	.02	.040
WX19	79	5	.020	-.020	-.10	33.0	56.0	-.0010	.7	740.0		1.6	-5.0	.06	.020
WX20	79	5	-.020	.020	-.10	10.0	50.0	-.0010	.7	740.0	1800.0	1.6	-5.0	.05	-.020
WX21	79	5	.020	-.020	84.00	4.0	33.0	-.0010	.4	170.0		4.5	110.0	-.02	.020
WX44	79	5	-.020	.020	67.00	26.0	33.0	-.0010	1.0	230.0		8.6	400.0	.04	.200
WX55	79	5	.020	.020	280.00	26.0	39.0	-.0010	1.9	200.0		3.5	460.0	.03	.060
WX63	79	5	.500	-.020	41.00	12.0	60.0	.0050	1.9	320.0		.3	7.0	.03	.020
WX92	79	5	.020	-.020	260.00	4.0	33.0	.0100	.9	190.0		9.4	490.0	.06	.400

NOTE: - INDICATES LESS THEN

CB-TRACT
WATER QUALITY PARAMETERS
LOWER AQUIFERS
FOR SAMPLE DATA SHOWN

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	NH3 (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BOD (MG/L)	B (MG/L)	BR (MG/L)	CD (MG/L)	CA (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WY01	79	5	2800.0	-.100	3.200	-.020	1.70	2700.0	120.0	8.1	1.00	-.100	-.020	9.0	30.0	2.0	-.020	-.020
WY12	79	5	4500.0	-.100	21.000	.060	-.50	4200.0	300.0	1.3	26.00	-.100	-.020	8.6	640.0	43.0	-.020	-.020
WY17	79	5	1800.0	-.100	5.200	-.020	4.40	1700.0	70.0	4.8	6.20	-.100	-.020	8.6	190.0	13.0	-.020	-.020
WY45	79	5	640.0	-.100	1.200	-.020	1.70	550.0	90.0	13.0	1.00	-.100	-.020	6.9	5.6	8.3	-.020	-.020
WY46	79	5	630.0	-.100	1.100	-.020	1.70	560.0	70.0	10.0	.30	-.100	-.020	7.8	3.5	6.2	-.020	-.020
WY52	79	5	580.0	-.100	1.000	-.020	-.50	500.0	80.0	7.0	.60	-.100	-.020	8.5	11.0	4.0	-.020	-.020
WY54	79	5	1100.0	-.100	4.500	-.020	2.60	1000.0	110.0	3.4	7.80	-.100	-.020	5.7	200.0	17.0	-.020	-.020
WY81	79	5	1000.0	-.100	1.300	-.020	2.60	920.0	100.0	5.3	.70	-.100	-.020	6.2	3.4	2.1	-.020	-.020
WY91	79	5	790.0	-.100	1.700	-.020	.80	720.0	70.0	.7	1.00	-.100	-.020	6.9	29.0	13.0	-.020	.020

NOTE: - INDICATES LESS THEN

Table II A-23

CB-TRACT
WATER QUALITY PARAMETERS
LOWER AQUIFERS
FOR SAMPLE DATA SHOWN

WELL	YR	MO	CO (MG/L)	MG (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	TOTAL ALPHA PCI/L	TOTAL BETA PCI/L	RADIUM 226 PCI/L	ZN (MG/L)	F (MG/L)	HARDNESS (MG/L CACO3)	FE (MG/L)	PB (MG/L)
WY01	79	5		3.4	9.0	-.02000	-.020	-.010	.6	6.0	.0	-.020	29.00	45.0	-.50	-.050
WY12	79	5		8.0	12.0	-.02000	-.020	-.010	7.6	5.0	.0	-.020	31.00	58.0	-.50	-.050
WY17	79	5		5.2	3.0	-.02000	-.020	-.010	9.8	3.0	.0	-.020	22.00	52.0	-.50	-.050
WY45	79	5		3.2	-1.0	-.02000	-.020	-.010	11.0	3.0	.0	-.020	20.00	82.0	.01	-.050
WY46	79	5		3.7	-1.0	-.02000	-.020	-.010	6.7	3.0	.0	-.020	18.00	62.0	.02	-.050
WY52	79	5		5.6	-1.0	-.02000	-.020	-.010	7.0	.0	.0	-.020	18.00	65.0	-.50	-.050
WY54	79	5		3.2	2.0	-.02000	-.020	-.010	1.6	.0	.0	-.020	20.00	57.0	-.50	-.050
WY81	79	5		3.2	1.0	-.02000	-.020	-.010	.3	1.0	.0	.030	22.00	50.0	.10	-.050
WY91	79	5		4.0	1.0	-.02000	-.020	-.010	7.3	1.0	.0	-.020	21.00	80.0	-.50	-.050

NOTE: - INDICATES LESS THEN

Table II A-23

CB-TRACT
WATER QUALITY PARAMETERS
LOWER AQUIFERS
FOR SAMPLE DATA SHOWN

WELL	YR	MO	MO (MG/L)	NI (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	TOC (MG/L)	PHEN (MG/L)	K (MG/L)	NA (MG/L)	SR (MG/L)	SO4 (MG/L)	LI (MG/L)	MN (MG/L)	SOLUBLE SOLIDS (MG/L)
WY01	79	5	.500	-.020	44.00	5.0	43.0	-.0010	3.0	1500.0	.7	-5.0	.02	.070	
WY12	79	5	3.000	.050	92.00	10.0	55.0	.0090	9.2	2500.0	.9	190.0	2.70	.070	
WY17	79	5	-.020	-.020	8.00	8.0	38.0	.0050	3.2	1000.0	1.2	-5.0	.40	.040	
WY45	79	5	-.020	-.020	35.00	13.0	46.0	-.0010	3.4	330.0	2.3	10.0	.03	.050	
WY46	79	5	-.020	.030	20.00	15.0	39.0	-.0010	1.5	320.0	3.0	11.0	.03	.080	750.0
WY52	79	5	.020	-.020	29.00	25.0	35.0	-.0010	2.0	290.0	2.2	7.0	.03	.030	
WY54	79	5	1.000	-.020	17.00	19.0	43.0	-.0010	3.2	680.0	1.6	6.0	.90	.030	
WY81	79	5	.020	-.020	-.10	17.0	45.0	-.0010	.7	490.0	2.2	-5.0	.05	-.020	
WY91	79	5	-.020	-.020	10.00	20.0	32.0	.0070	2.2	410.0	1.9	-5.0	.20	.030	

NOTE: - INDICATES LESS THEN

SUPPLEMENTAL
WATER DATA

SUPPLEMENTAL DATA
REPORT

Figure II A-10 Key USGS Stream Gaging Stations and Precipitation Stations in the Piceance Basin

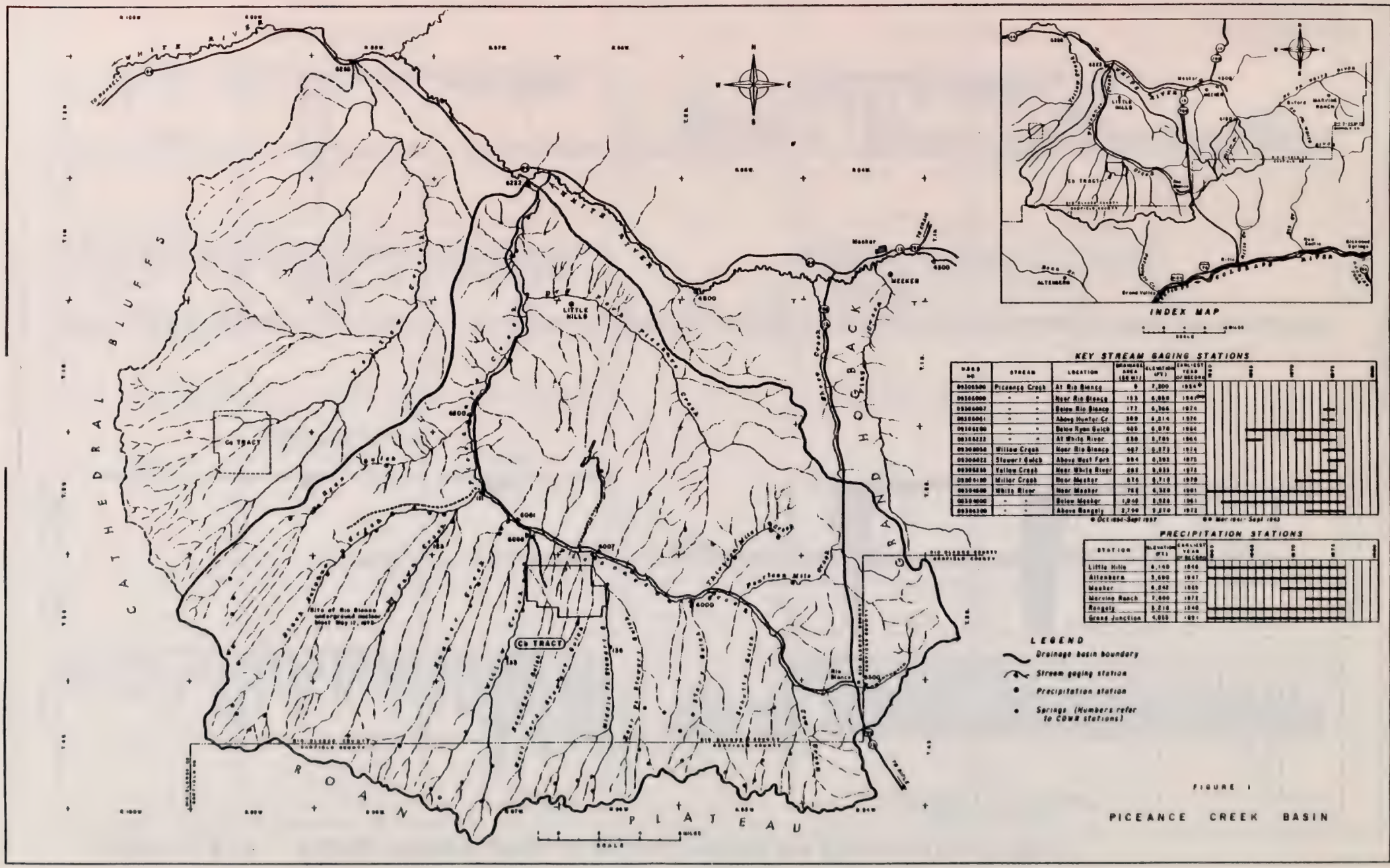


Figure II A-11 Flow of Piceance Creek at Various Stations and Preceiptation at Meeker

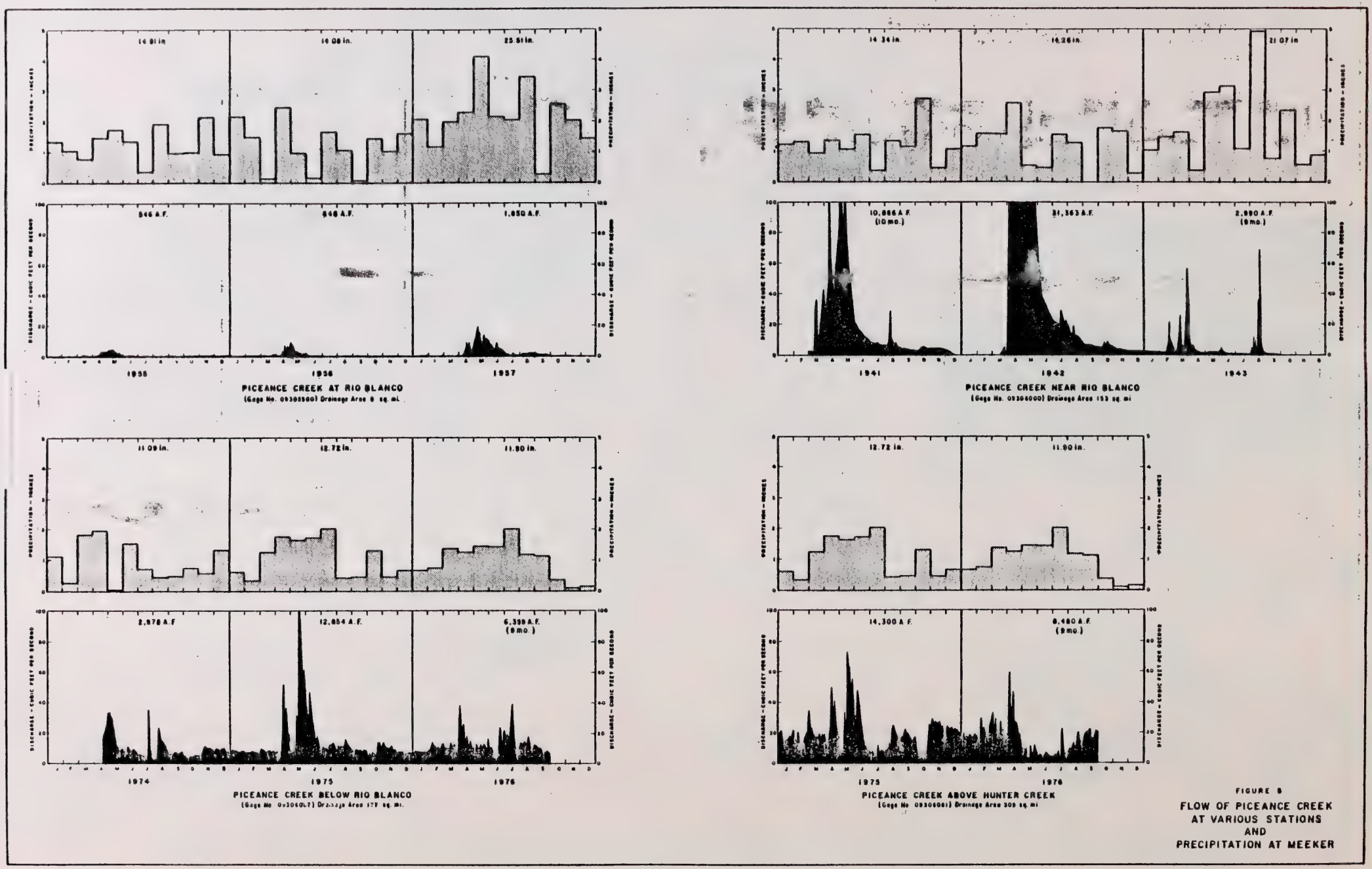


FIGURE 8
FLOW OF PICEANCE CREEK
AT VARIOUS STATIONS
AND
PRECIPITATION AT MEEKER

Figure II A-12 Flow of Selected Springs in the Piceance Creek Basin

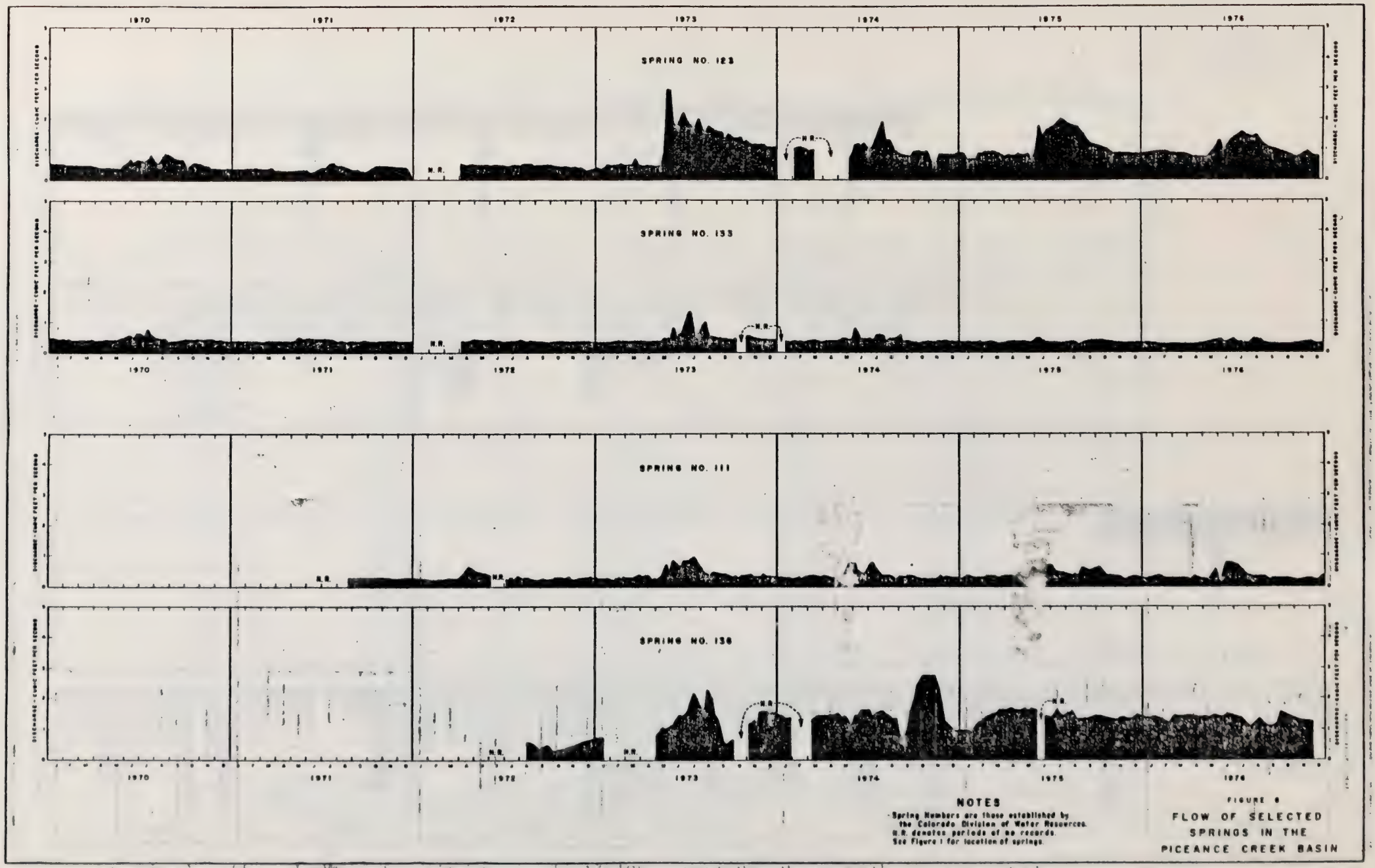


Figure II A-13 Flow of Miller Creek Near Meeker and Precipitation at Marvine Ranch

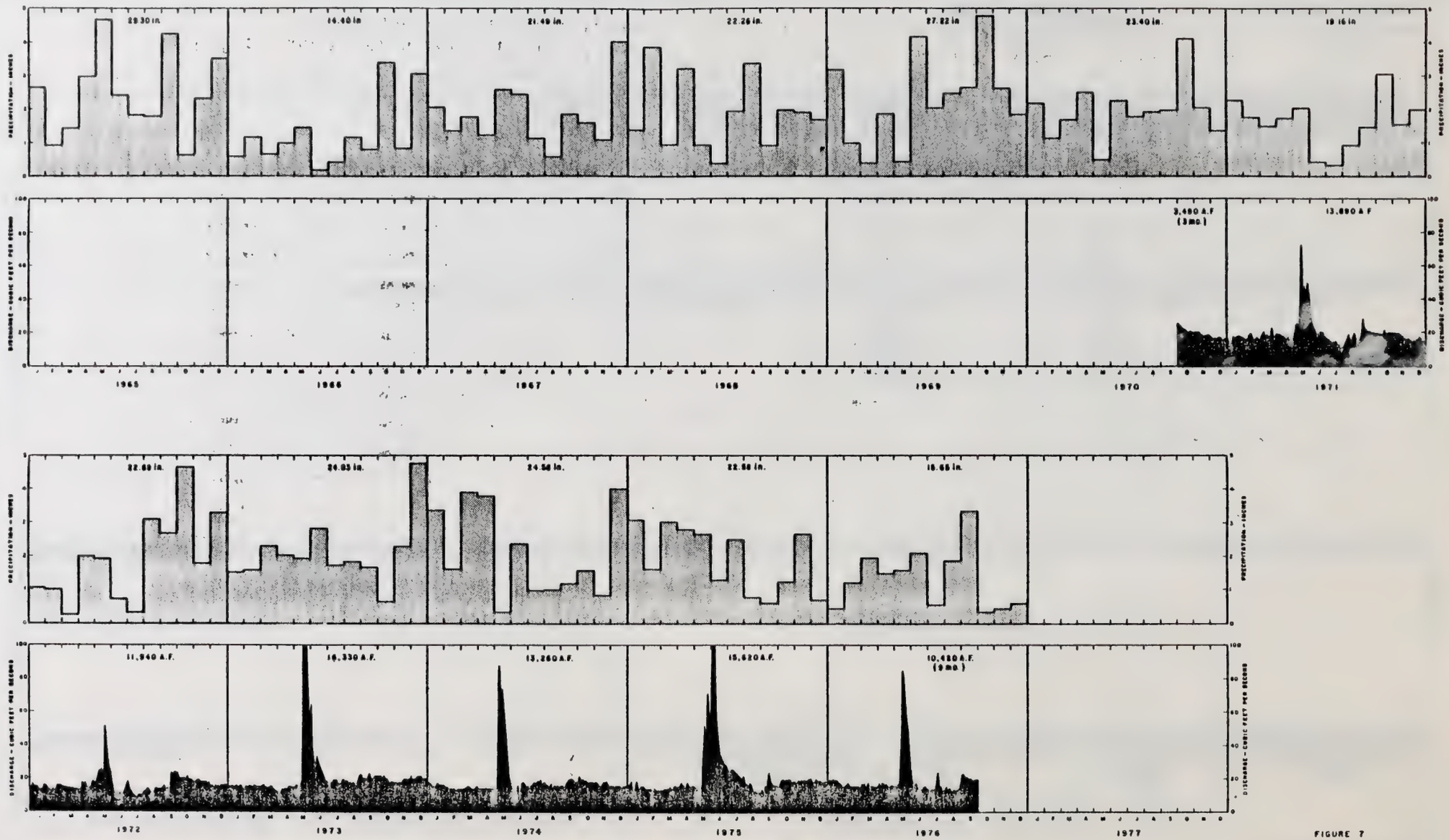


FIGURE 7
FLOW OF MILLER CREEK
NEAR MEEKER
AND
PRECIPITATION AT MARVINE RANCH

Table II A-24

OIL AND GAS WELLS
COREHOLES, MONITORING WELLS AND WATER WELLS
WITHIN C-b TRACT AND AREA OF INTEREST

(N.D. = No Data)

WELL NAME AND NUMBER	LOCATION	T.D.	DEEPEST FORMATION PENETRATED	PRODUCING FORMATION	CURRENT STATUS	COMPANY NAME
	T2S R97W					
A-1	SW SW Sec. 25	109	Uinta	None	Alluvial Monitor	Oxy
Johnson #1	NE SW Sec. 27	2563	Wasatch	None	Dry Hole (P & A)	Equity Oil
Mobil #3	SW NE Sec. 28	1648	N.D.	N.D.	Water Well 540 (gpm)	Mobil
Mobil #1	NW NW Sec. 33	1300	N.D.	N.D.	Water Well 450 (gpm)	Mobil
Mobil #4	SW NE Sec. 33	N.D.	N.D.	N.D.	Water Well?	Mobil
Mobil #5	NW SW Sec. 34	1739	N.D.	N.D.	Water Well 450 (gpm)	Mobil
Shanahan #1	NW NE SE Sec. 35	2450	Green River	None	Dry Hole (P & A)	Pan American Pet.
A-2	SW NE Sec. 35	82	Uinta	None	Alluvial Monitor	Oxy
A-5	SE NE Sec. 36	86	Uinta	None	Alluvial Monitor	Oxy
Fed-Morrison 36-1	NE NW Sec. 36	8180	Mesa Verde	None	Dry Hole (P & A)	J.M. Huber
	T2S R96W					
24X-26G	SW NW Sec. 26	3348	Wasatch	None	Dry Hole (P & A)	General Pet. Corp.
P.C.U. #12-27G	SW NW NW Sec. 27	6344	Wasatch	None	Dry Hole (P & A)	Mobil
P.C.U. #71X-29G	NE NE Sec. 29	3005	Wasatch	Wasatch	Shut In Gas Well	Mobil
SG-20	SW SE Sec. 31	987	Green River	None	Corehole	Oxy
A-6	SW SE Sec. 31	60	Uinta	None	Alluvial Monitor	Oxy.

Ref.: Application for a permit to inject water produced from Oil Shale Tract C-b, Rio Blanco County, Colorado, February. Section 2

Table II A-24

OIL AND GAS WELLS
COREHOLES, MONITORING WELLS AND WATER WELLS
WITHIN C-b TRACT AND AREA OF INTEREST

PAGE 2

WELL NAME AND NUMBER	LOCATION	T.D.	DEEPEST FORMATION PENETRATED	PRODUCING FORMATION	CURRENT STATUS	COMPANY NAME
	T3S R97W					
33X-1	NW SE Sec. 1	2078	Green River	None	Corehole	Oxy
Cb-1	SW SW Sec. 1	2106	Green River	None	Corehole	Oxy
SG-1	NW SE Sec. 2	2525	Green River	None	Corehole	Oxy
SG-1A	NW SE Sec. 2	1180	Green River	None	Corehole	Oxy
A-3	SW SE Sec. 2	112	Uinta	None	Alluvial Monitor	Oxy
J.M. Greeno #1	NE NE Sec. 4	<2500	Wasatch (objective)	None	Corehole-capped	Shell
J.M. Greeno #2	NE NE Sec. 4	<2500	Wasatch (objective)	None	Corehole-capped	Shell
J.M. Greeno #3	NE NE Sec. 4	<2500	Wasatch (objective)	None	Corehole-capped	Shell
J.M. Greeno #4	NE NE Sec. 4	<2500	Wasatch (objective)	None	Corehole-capped	Shell
SG-9	SE SE Sec. 11	2750	Green River	None	Corehole	Oxy
NQ-4	SE NE Sec. 11	1552	Green River	None	Corehole	Oxy
32X-12	SW NE Sec. 12	2191	Green River	None	Corehole	Oxy
A-4	SW NE Sec. 13	64	Uinta	None	D & A	Oxy
SG-10	NE NE Sec. 13	2211	Green River	None	Corehole	Oxy
SG-10A	NE NE Sec. 13	1300	Green River	None	Corehole	Oxy
SG-21	SW SE Sec. 13	1036	Green River	None	Corehole	Oxy
TG 71-1	NE NW Sec. 13	2530	Green River	None	Corehole	Tosco

Ref.: Application for a permit to inject water produced from Oil Shale Tract C-b, Rio Blanco County, Colorado, February. Section 2

Table II A-24

OIL AND GAS WELLS
COREHOLES, MONITORING WELLS AND WATER WELLS
WITHIN C-b TRACT AND AREA OF INTEREST

PAGE 3

WELL NAME AND NUMBER	LOCATION	T.D.	DEEPEST FORMATION PENETRATED	PRODUCING FORMATION	CURRENT STATUS	COMPANY NAME
	T3S R97W Con't.					
Rio Blanco U-2 Govt	NE SW Sec. 21	8470	N.D.	N.D.	Suspended Operation	CER Geonuclear
Scandard Draw #2	SE NW Sec. 21	3600	N.D.	N.D.	Suspended Operation	Equity Oil
Scandard Draw #1	NE NE SE Sec. 22	9850	Mesa Verde	Mesa Verde	Gas Well (Shut In?)	Equity Oil
SG-18	SE SE Sec. 25	1430	Green River	None	P & A	Oxy
SG-18A	SE SE Sec. 25	1330	Green River	None	Corehole	Oxy
Magor #4	SW SW NE Sec. 27	7111	Ft. Union	None	Dry Hole (P & A)	Equity Oil
Carter Upper Willow #2A	NW NE Sec. 27	2247	Green River	None	Corehole	Carter
Scandard Draw #3	SE NW Sec. 28	8656	Mesa Verde	None	D & A	Equity Oil
	T3S R96W					
A-7	NW NW Sec. 5	51	Uinta	None	Alluvial Monitor	Oxy
A-8	SE NE Sec. 5	70	Uinta	None	Alluvial Monitor	Oxy
SG-19	NW NW Sec. 5	981	Green River	None	Corehole	Oxy
Cb-3	NW SW SE Sec. 5	2123	Green River	None	Corehole	Oxy
Cb-2	NW SE Sec. 6	1482	Green River	None	Corehole	Oxy
Cb-2b	SW SE Sec. 6	1280	Parachute Creek	None	P & A	Oxy
Oldland 015500 R	NE NE Sec. 7	800	N.D.	N.D.	Water well, 180 (gpm)	Oldland Bros.
SG-6	NE SW Sec. 7	2220	Green River	None	Corehole	Oxy
SG-11	SE SE Sec. 7	2826	Green River	None	Corehole	Oxy

Ref.: Application for a permit to inject water produced from Oil Shale Tract C-b, Rio Blanco County, Colorado, February. Section 2

Table II A-24

OIL AND GAS WELLS
COREHOLES, MONITORING WELLS AND WATER WELLS
WITHIN C-b TRACT AND AREA OF INTEREST

PAGE 4

WELL NAME AND NUMBER	LOCATION	T.D.	DEEPEST FORMATION PENETRATED	PRODUCING FORMATION	CURRENT STATUS	COMPANY NAME
	T3S R96W Con't.					
AT-1	NE SW Sec. 7	1700	Green River	None	Aquifer Test Well	Oxy
AT-1A	NE SW Sec. 7	1620	Green River	None	Aquifer Test Well	Oxy
AT-1A1	NE SW Sec. 7	1300	Green River	None	Aquifer Test Well	Oxy
AT-1B	NE SW Sec. 7	1638	Green River	None	Aquifer Test Well	Oxy
AT-1C	NE SW Sec. 7	1646	Green River	None	Aquifer Test Well	Oxy
AT-1D	NE SW Sec. 7	1640	Green River	None	Aquifer Test Well	Oxy
NQ-22	NE SW Sec. 7	1843	Green River	None	Corehole	Oxy
14X-7	NE SW Sec. 7	962	Green River	None	Corehole	Oxy
NQ-7	SE SW Sec. 8	1740	Green River	None	Corehole	Oxy
A-11	SE NE Sec. 8	66	Uinta	None	Alluvial Monitor	Oxy
A-9	NW SE Sec. 9	57	Uinta	None	Alluvial Monitor	Oxy
SB-8	NE SW Sec. 9	2608	Green River	None	Corehole	Oxy
Federal 2B	NW SE Sec. 10	3100	Green River	None	Corehole	Arco
So Piceance #8	NW NE Sec. 10	3107	Green River	None	Dry Hole (P & A)	Equity Oil
Oldland #3	NE NE Sec. 10	2395	Green River	--	Converted to Water Well by Tosco, 225 gpm	Equity Oil (driller)
Oldland #1	NW NE Sec. 11	2461	Wasatch	Douglas Creek	Abandoned Producer (P & A)	Equity Oil

Ref.: Application for a permit to inject water produced from Oil Shale Tract C-b, Rio Blanco County, Colorado, February. Section 2

Table II A-24

OIL AND GAS WELLS
COREHOLES, MONITORING WELLS AND WATER WELLS
WITHIN C-b TRACT AND AREA OF INTEREST

PAGE 5

WELL NAME AND NUMBER	LOCATION	T.D.	DEEPEST FORMATION PENETRATED	PRODUCING FORMATION	CURRENT STATUS	COMPANY NAME
	T3S R96 W Con't.					
SG-17	SW SW Sec. 16	2460	Green River	None	Corehole	Oxy
A-10	SE NW Sec. 16	67	Uinta	None	Alluvial Monitor	Oxy
TG-71-2	NE NE Sec. 17	1162	Green River	None	Corehole	Oxy
A-12	SW SE Sec. 17	14	Uinta	None	Alluvial Monitor	Oxy
Cb-4	NW SW Sec. 17	1470	Green River	None	Corehole	Oxy
MQ-12D	NW SE Sec. 18	1670	Green River	None	Corehole	Oxy
A-13	NW SE Sec. 18	14	Uinta	None	Alluvial Monitor	Oxy
TG 2-1	NE NE SW Sec. 21	2400	Green River	None	Corehole	Tosco
Oldland 000777N	SW SW Sec. 23	300	N.D.	N.D.	Water well, 10 (gpm)	Oldland Bros.
Govt #7	NW SE Sec. 23	3024	Green River	None	Dry Hole (P & A)	Equity Oil
TG 2-3	SW SW Sec. 23	1131	N.D.	None	Corehole	Tosco
Oldland #2	SW SW Sec. 26	3008	Green River	None	Dry Hole (P & A)	Equity Oil
TG 71-3	NE NW Sec. 29	N.D.	N.D.	None	Corehole	Tosco

Ref.: Application for a permit to inject water produced from Oil Shale Tract C-b, Rio Blanco County, Colorado, February. Section 2.

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